Phase I Environmental Site Assessment

Lincolnway Industrial Rail 54th Street and 44th Avenue South Clinton, Clinton County, Iowa

Prepared for:

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Acronyms and Abbreviations

	All appropriate inquiry
	Aerometric information retrieval system
	American Society for Testing and Materials
	Aboveground storage tank
AUL	Activity and use limitation
	Below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CESQG	Conditionally exempt small quantity generator
CFR	Code of Federal Regulations
CORRACTS	Corrective Action Sites
CREC	Controlled recognized environmental condition
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FINDS	Facility Index System
HREC	Historical recognized environmental condition
LAST	Leaking aboveground storage tank
LQG	Large quantity generator
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MSDS	Material safety data sheet
NFA	No further action
NFRAP	No further remedial action planned
NGVD	National Geodetic Vertical Datum
NonGens	No longer generates hazardous waste
NOV	Notice of violation
NPL	National priorities list
NRCS	U.S. Natural Resource Conservation Service
PCB	Polychlorinated biphenyl
RCRA	Resource Conservation and Recovery Act
	Recognized environmental condition
	State hazardous waste site
SQG	Small quantity generator
	Toxic release inventory
	Treatment, storage, and disposal facility
	Toxic Substances Control Act
USGS	U.S. Geological Survey
	Underground storage tank
	Voluntary cleanup program



Units of Measure

ft²	square feet
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
μg/L	micrograms per liter
ppb	parts per billion
nnm	parts per million



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1. Summary

Olsson Associates (Olsson) was retained by Clinton Regional Development Corporation to perform a Phase I Environmental Site Assessment (ESA) for the Lincolnway Industrial Rail site located at 54th Street and 44th Avenue South in Clinton, Clinton County, Iowa (hereinafter referred to as the "Property"). Olsson has performed this Phase I ESA in conformance with the scope and limitations of the American Society for Testing and Materials Practice E1527-13 (ASTM E1527-13). A summary of the ESA findings based on a review of historical records, regulatory databases, site reconnaissance, and interviews is as follows:

- Three industrial facilities were identified adjacent to the Property. These facilities include a scrap
 metal yard, a precast concrete facility and a biofuels facility. The facilities are located
 downgradient and do not pose an eminent threat, therefore they are not identified as a REC for
 the Property.
- Two ASTs were observed on the adjacent properties to the south. One AST is located at the
 precast concrete facility and the second AST is located at the biodiesel facility. No obvious
 staining or indications of leaks were observed from the Property boundary. The ASTs do not
 represent a REC for the Property.
- Several 55-gallon drums and one storage tote were observed at the precast concrete facility.
 Staining was observed on the side of the storage tote, but not on the ground below it. No staining was observed around the 55-gallon drums. The presence of these containers does not represent a REC for the Property.
- Two pad mounted transformers were observed on the Property and a substation is located southeast of the Property. Labels indicating the presence of PCB oil were not observed on the equipment. No staining was observed on or below the equipment. The substation and transformer equipment does not represent a REC for the Property.
- A City of Clinton Public Works facility is located in the southeast corner of the Property. The facility
 is believed to be a lift station for the sanitary sewer system. No stained or stressed vegetation
 was observed near the facility. Pipeline markers were observed around the facility. These
 observations do not represent a REC for the Property.
- Historical topographic maps and aerial photographs indicate the Property and adjacent properties were generally used for agricultural land. Multiple private residences were located throughout the area.
- Clinton County Bio Energy, located adjacent to the Property, was identified in several supplemental regulatory databases. The listings were not related to hazardous materials or petroleum product releases. This site does not represent a REC for the Property.
- Former Site of Dahlen Transport, Inc., located adjacent to the Property, was identified in the LUST, UST, and three supplemental regulatory databases. The UST listing indicates that four tanks were closed in place. The LUST listing details two spill records for the site. Both spills were investigated by IDNR. Contamination was found on-site, at levels below the Tier 1 and Tier 2 standards. No further action certificates were issued and the sites were closed. This site does not represent a REC for the Property.

This assessment has revealed no evidence of RECs or CRECs in connection with the Property.



2. Introduction

The Property is located at 54th Street and 44th Avenue South in Clinton, Clinton County, Iowa (hereinafter referred to as the "Property"). A Vicinity Map depicting the Property location reproduced from a portion of the applicable USGS 7.5-minute series topographic maps is included in Appendix A.

2.1 Purpose of the Environmental Site Assessment

This ESA was prepared in a manner consistent with the E1527-13 procedures. The purpose of the ESA is to assist Clinton Regional Development Corporation (CRDC, also referred to as "User" or "Client") in developing information to identify Recognized Environmental Conditions (RECs) in connection with the Property as defined by the ASTM E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The intent of the ESA is to assist the User in achieving an innocent landowner defense through the completeness of "all appropriate inquiry" (AAI) under Section 107 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA, 42 U.S.C. 9607), as modified by the Brownfields Amendment.

ASTM E1527-13 defines a REC as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a Property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not considered recognized environmental conditions.

ASTM E1527-13 also utilizes the term historical recognized environmental condition (HREC) to describe a past release of any hazardous substances or petroleum products that has occurred in connection with the Property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the Property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). In subsequent updates or revisions to a Phase I ESA, conditions initially identified as HRECs may be considered RECs if there has been a change in the regulatory criteria since the past release received closure approval.

A controlled recognized environmental condition (CREC) is a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

2.2 Scope of Services

This Phase I ESA was performed in accordance with our Client-approved proposal dated October 16, 2015. The ESA scope of services was undertaken through a review of: regulatory databases; historical and physical record resources; interviews as applicable; User-provided information, and; visual noninvasive reconnaissance of the Property and adjoining properties. Any limitations, ASTM E1527-13 deviations, or significant data gaps are presented in the report text.



2.3 Limitations and Exceptions

This ESA is not to be construed as legal interpretation or advice. We have endeavored to meet the ASTM E1527-13 standard, but we may have been limited by property conditions or by the inability to review information not received by the report date. An evaluation of the significance of these limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report.

No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of an ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, expressed or implied, are intended or made. The limitations herein must be considered when the User of this report formulates opinions as to risks associated with the Property or otherwise uses the report for any other purpose.

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, business environmental risk evaluations, or other services not particularly identified and discussed herein. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder.

2.4 User Reliance

Clinton Regional Development Corporation may rely on the findings and conclusions of this report. If the ESA will be used by a different (third) party other than those parties for whom the ESA was originally prepared, the third party must also satisfy the User's responsibilities in Section 6 of ASTM E1527-13. The effective date of the report is November 10, 2015, the date when the site reconnaissance was completed. Continued viability of the ESA is contingent on terms set forth in ASTM E1527-13 Sections 4.6 and 4.8.



3. User-Provided Information

The following information in Sections 3.1 through 3.6 was provided by Jenelle Kreiling, from CRDC, in order to assist in the identification of RECs. A copy of the User-provided information is presented in Appendix B.

3.1 Environmental Liens or Activity and Use Limitations

Abstract & Title Guaranty Company was retained by the CRDC regarding known right-of-ways, easements, liens, etc. that may impact the development of the Property. No environmental liens or activity and use limitations were identified. A copy of the letter from Abstract & Title Guaranty Company is included in Appendix B.

3.2 Specialized Knowledge

Ms. Kreiling was not aware of any specialized knowledge or experience that is material to RECs in connection with the Property. She was not aware of any obvious indicators that point to the presence or likely presence of contamination at the Property.

3.3 Commonly Known or Reasonably Ascertainable Information

Ms. Kreiling was not aware of any commonly known or reasonably ascertainable information within the local community about the Property that is material to RECs in connection with the Property.

3.4 Valuation Reduction for Environmental Issues

Purchase prices that are significantly lower than market value may indicate the presence of hazardous substances or petroleum products. Ms. Kreiling indicated that the purchase price does reflect fair market value.

3.5 Obvious Indicators of Presence or Absence of Contamination

Ms. Kreiling was not aware of obvious indicators regarding the presence or likely presence of releases or threatened releases at the Property.

3.6 Other Information

Additional information was provided by the User for this assessment. The additional information is discussed in Section 6.3.



4. Property Description

4.1 Location

The Property is located at 54th Street and 44th Avenue South in Clinton, Clinton County, Iowa. The legal description of the Property is portions of Section 23 and 24 of Township 81 North, Range 5 East. A Vicinity Map depicting the Property location reproduced from a portion of the applicable USGS 7.5-minute series topographic map is included in Appendix A.

4.2 Property and General Vicinity Characteristics

The Property and vicinity setting is generally characterized as agricultural and industrial use.

Property Description and Physical Setting

Property Name	ty Name Lincolnway Industrial Rail			
Property Location/Address		54 th Street and 44 th Avenue South, Clinton, Clinton County, Iowa		
Land Area		Approximately 461 acres		
Property Improvements		The Property is generally unimproved. A private residence is located in the northeast corner of the Property and a City of Clinton Public Works facility is located in the southeast corner.		
Potable Water Prov	ider	American Water		
Sanitary Sewer Pro	vider	Clinton Public Works Department		
_	_	NG INFORMATION FOR SITE RROUNDING AREA	SOURCE	
Topography (Refer to A	Appendi	x A for an excerpt of the USGS Topographic	с Мар)	
Property Elevation	630 to	670 feet (NGVD)		
Groundwater Flow Direction *	South		U.S. Geological Survey (USGS) 7.5-Minute Topographic Map, Camanche, Iowa, 2013	
Surface Runoff/Topographic Gradient	South			
Closest Surface Water		Creek intersects the southwest corner of operty.		

^{*} The hydrogeologic gradient is not known but is inferred as parallel to topographic gradient in the immediate Property vicinity. The regional groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the Property cannot be directly ascertained.



5. Property and Adjoining Property Reconnaissance

The following sections describe the Property and adjoining property features noted during Olsson's site reconnaissance on November 10, 2015.

5.1 Reconnaissance Methodology and Limiting Conditions

Information contained in this section is based on Olsson's visual reconnaissance of the Property and adjoining properties, interviews, and other references discussed throughout this report. Observation of the Property surface features was not restricted at the time of the reconnaissance; therefore, limiting conditions which would otherwise represent a data gap were not encountered. Olsson observed the adjacent property features from readily accessible areas (property boundaries). Photo documentation of representative features observed during the Property reconnaissance is provided in Appendix C.

5.2 Current Property Use

The Property is generally unimproved. A private residence is located in the northeast corner of the Property, and a City of Clinton Public Works facility is located in the southeast corner.

5.3 Property Reconnaissance

Features noted during Olsson's property reconnaissance are designated by an "X" in the following table. Paragraphs following the summary table discuss the reconnaissance observations in greater detail.

Category	Item or Feature	Observed
	Emergency generators	
	Elevators	
	Air compressors	
Site Operations, Processes, and Equipment	Hydraulic lifts	
Equipment	Dry cleaning	
	Photo processing	
	Other processes or equipment	Х
Aboveground Petroleum or	Aboveground storage tanks (AST)	Х
Chemical Storage	Drums, barrels and/or containers ≥ 5 gallons	Х



Category	Item or Feature	Observed
	Evidence of underground storage tanks (UST) or ancillary UST equipment	
	Floor drains, sumps, or storm water drains	
Underground Petroleum or Chemical Storage, or Waste and Drainage	Cisterns or sand traps	
Collection Systems	Oil/water separators	
	Septic tanks and/or leach fields	
	Grease traps	
Equipment Containing Potential	Pad or pole-mounted electrical transformers and/or capacitors	Χ
Polychlorinated Biphenyls (PCBs)	Other equipment	
	Stressed vegetation	
	Stained soil or pavement	
	Strong, pungent, or noxious odors other than that associated with property processes	
	Surface water discoloration, odor, sheen, and/or floating free product	
Potential Release Sources and/or Indicators	Dumped trash, construction or demolition debris, fill dirt, artificial fill, or disposal areas	
indicatore	Exterior pipe discharges and/or other effluent discharges	
	Leachate and/or waste seeps	
	Laboratory hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	X
	Material safety data sheets (MSDS)	
	Pits, ponds, or lagoons	
	Pipeline markers	X
Other Notable Property Features	Wells – irrigation, dry, monitoring, or abandoned	
	Other features	



5.3.1 Site Operations, Processes and Equipment

Other processes or equipment.

Three industrial facilities were identified adjacent to the Property. The facilities include a scrap metal yard, a precast concrete facility, and a biofuels facility. The facilities are located downgradient from the Property and do not pose an eminent threat. If a leak or spill did occur at one of the adjacent facilities, that facility would be responsible for all remedial activities. The adjacent industrial facilities do not represent a REC for the Property.

5.3.2 **Aboveground Petroleum or Chemical Storage**

Aboveground storage tanks (AST)

Two aboveground storage tanks were observed on the adjacent properties to the south. One AST is located at the precast concrete facility and the second AST is located at the biodiesel facility. The AST at the precast concrete facility sits in a prefabricated spill containment structure. No obvious staining or indications of leaks were observed from the Property boundary. If a leak or spill were to occur, the facility would be responsible for all remedial activities. The ASTs do not represent a REC for the Property.

<u>Drums</u>, <u>barrels</u> and/or containers ≥ 5 gallons

Several 55-gallon drums and one storage tote were observed at the precast concrete facility. The contents and actual quantities of the containers are unknown. Staining was observed on one side of the storage tote, but not on the ground below it. No staining was observed around the drums. Based on observations, these containers do not represent a REC for the Property.

Equipment Containing Potential Polychlorinated Biphenyls (PCBs) 5.3.3

Pad or Pole-mounted Electrical Transformers and/or Capacitors

Two pad mounted transformers were observed at the City of Clinton Public Works Facility located in the southeast corner of the Property and a substation was observed southeast of the Property. Labeling indicating the presence of PCBs was not observed. Alliant Energy provides electric service to the Property and has the responsibility of maintaining or replacing the equipment, if it were to fail. No staining was observed on or below the equipment. Based on observations, the substation and transformer equipment does not represent a REC for the Property.

5.3.4 Potential Release Sources and/or Indicators

Exterior Pipe Discharges and/or Other Effluent Discharges

A City of Clinton Public Works facility is located in the southeast corner of the Property. The facility is believed to be a lift station for the sanitary sewer system. No stained or stressed vegetation was observed near the facility. Based on observations, this facility does not represent a REC for the Property.

5.3.5 Other Notable Property Features

Pipeline Markers

Pipeline markers were observed in the southeast corner of the Property. The markers are for the sewer lines related to the Public Works Facility that was mentioned previously. The pipeline markers do not represent a REC for the Property.



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5.4 Adjoining Property Reconnaissance

Visual observations of adjoining properties (from property boundaries) are summarized below and depicted on Figure 2 in Appendix A.

Direction	Description		
North	Private residences and agricultural land.		
East	Private residences and agricultural land.		
South	Three industrial facilities, one private residence and agricultural land. The industrial facilities include a scrap metal yard, a precast concrete facility and a biofuels facility.		
West	Private residences and agricultural land.		



6. Historical Resource Review

Olsson reviewed historical resources for indications of RECs for the Property. Copies of pertinent historical documents are included in Appendix D.

6.1 Historical Topographic Maps

Historical USGS topographic maps were reviewed for the following years: 1892, 1894, 1899, 1953, 1976, 1991 and 2013. Review of the historical topographic maps did not identify any RECs for the Property. The following table summarizes the topographic map review.

Historical Topographic Map Information

Direction	Date	Description
	1892, 1894	Undeveloped land, no structures are shown.
	1899	Several structures are shown throughout the Property.
Property	1953, 1976, 1991	Several structures are shown towards the center of the Property.
	2013	No features are shown.
	1892, 1894	Undeveloped land, no structures are shown.
North	1899, 1953, 1976, 1991	Several structures are shown.
	2013	No features are shown.
	1892, 1894, 1899	Undeveloped land.
East	1953, 1976, 1991	Several structures are shown.
	2013	No features are shown.
	1892, 1894	Undeveloped land, no structures are shown.
South	1899, 1953, 1976, 1991	Several structures are shown.
	2013	No features are shown.
	1892, 1894, 1899, 1953	Undeveloped land.
West	1976, 1991	A single structure is shown.
	2013	No features are shown.



6.2 Historical Aerial Photographs

Historical aerial photographs were reviewed for the following years: 1937, 1951, 1963, 1969, 1984, 1994, 2005, 2006, 2007, 2008, 2009, 2010 and 2011. Inspection of the aerials can be limited by a photograph's quality and scale. Review of the historical aerial photographs did not identify any RECs for the Property.

Historical Aerial Photographs

Direction	Date	Description
Property	1937, 1951, 1963, 1969, 1984	A private residence is located near the center of the Property. The remaining Property is undeveloped agricultural land.
	1994, 2005, 2006, 2007, 2008, 2009, 2010, 2011	New private residence located in northeast corner of the Property.
North	1937, 1951, 1963, 1969, 1984, 1994, 2005, 2006, 2007, 2008, 2009, 2010, 2011	Private residences and undeveloped agricultural land.
East	1937, 1951, 1963, 1969, 1984, 1994, 2005, 2006, 2007, 2008, 2009, 2010, 2011	Private residences and undeveloped agricultural land.
	1937, 1951, 1963	Private residences and undeveloped agricultural land.
South	1969, 1984, 1994, 2005	Property developed at location where current scrap metal yard is located.
	2006, 2007, 2008, 2009, 2010, 2011	Property developed at location of current biodiesel production facility.
West	1937, 1951, 1963, 1969, 1984, 1994, 2005, 2006, 2007, 2008, 2009, 2010, 2011	Undeveloped agricultural land.

6.3 Other Information

Ms. Kreiling, CRDC, completed an ASTM Phase I ESA Questionnaire. She indicated that some of the adjoining properties are used for industrial purposes. She is not aware of any evidence or past uses that would indicate contamination at the Property. The complete questionnaire is included in Appendix D.

Ms. Kinser, City of Clinton, also completed an ASTM Phase I ESA Questionnaire. She indicated that the Property is being developed as an industrial park. There is currently no industrial use on the Property, however there are industrial uses on the neighboring properties. She is not aware of any evidence or past uses that would indicate contamination at the Property. The complete questionnaire is included in Appendix D.



7. Environmental Records Review

Database information provided by a contract information service company was reviewed to identify RECs in connection with the Property or in the Property vicinity. Information in this section is subject to the accuracy of the data and the date at which the information was updated by the information services company.

Olsson reviewed the database information for its relevance to the Property; that is, as the information referred to spills or releases either occurring on the Property, or at properties having the potential to affect the Property. As used in this report, the terms "upgradient", "downgradient", and "crossgradient" are used to describe the topographic relationship between the Property and offsite properties relative to the general groundwater flow direction. Refer to the discussion provided in Section 4.

7.1 State and Federal Regulatory Databases

Appendix E contains the database report including the list of searched databases (both ASTM E1527-13-required as well as supplemental databases), database descriptions and results, dates of updates, approximate minimum search distances, and maps. The following table summarizes ASTM E1527-13 information provided in the database.

Database Findings Summary

Database Record	ASTM E1527-13 Search Distance (Miles)	Identified Listings
Federa	l Databases	
NPL	1.0	0
Delisted NPL	0.5	0
CERCLIS	0.5	0
CERCLIS NFRAP	0.5	0
RCRA CORRACTS	1.0	0
RCRA TSDF	0.5	0
RCRA Generators List - RCRA-LQG		0
RCRA-SQG	Property/Adjoining	0
RCRA-CESQG	Properties	0
RCRA-NonGen		0
Federal Institutional Controls	Property Only	0
Federal Engineering Controls	Property Only	0
ERNS	Property Only	0



Database Record	ASTM E1527-13 Search Distance (Miles)	ldentified Listings			
State and Tribal Databases					
State/Tribal NPL (SCS or SHWS)	1.0	0			
State/Tribal CERCLIS	0.5	0			
State/Tribal Licensed Landfill List	0.5	0			
LUST	0.5	2			
LAST	0.5	0			
USTs	Property/Adjoining Properties	1			
ASTs	Property/Adjoining Properties	0			
State/Tribal Institutional Controls	Property Only	0			
State/Tribal Engineering Controls	Property Only	0			
State/Tribal Voluntary Cleanup Sites	0.5	0			
State/Tribal Brownfield Sites	0.5	0			

Database providers frequently report supplemental database search findings outside the required ASTM E1527-13 coverage. These may include: Facility Index System/Facility Registry System (FINDS), the Aerometric Information Retrieval System (AIRS), SPILLS, TANKS, Historical Gas Stations, Historical Dry Cleaners, and other supplemental database resources. The supplemental database information is discussed where relevant to the Property. The following sections provide a description of the ASTM E1527-13 databases. Section 7.2 provides discussions regarding pertinent database listings for the Property and immediate vicinity.

7.1.1 NPL, Delisted NPL, CERCLIS, and CERCLIS NFRAP

The U.S. Environmental Protection Agency (EPA) maintains a CERLA Information System (CERCLIS) database of potentially hazardous waste facilities that have been reported to the EPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the CERCLA. The National Priorities List (NPL) database is a subset of CERCLIS that identifies facilities that the EPA has assigned a priority cleanup status under the Superfund Program. These may become Delisted NPL (removed from the NPL list) or CERCLIS No Further Remedial Action Planned (NFRAP) facilities when the EPA determines that no further response is appropriate or planned for a facility.

7.1.2 RCRA CORRACTS

The EPA maintains a Resource Conservation and Recovery Act (RCRA) corrective action facility database (CORRACTS) of hazardous waste handler facilities where corrective action activity has occurred or is occurring.

7.1.3 RCRA TSDF

The RCRA transportation, storage, and/or disposal facility (TSDF) database is maintained by EPA to identify facilities that treat, store, or dispose of hazardous waste as defined by RCRA.



7.1.4 RCRA Generators

The EPA manages a database of RCRA facilities that generate hazardous waste. RCRA Large Quantity Generator facilities (LQGs) generate over 1,000 kilograms (kg) of hazardous waste or over 1 kg of acutely hazardous waste per month. RCRA Small Quantity Generator facilities (SQG) generate between 100 kg and 1,000 kg of hazardous waste per month. RCRA conditionally exempt small quantity generator facilities (CESQGs) generate less than 100 kg of hazardous waste or 1 kg of acutely hazardous waste per month. The EPA RCRA generator database also lists facilities that have filed a status change from RCRA waste generator to an operation that no longer generates hazardous waste (NonGens).

7.1.5 Federal Institutional and Engineering Controls

The EPA maintains a list of facilities where institutional controls/engineering controls are in place to manage contamination that the agency approved to remain onsite. Administrative measures involving institutional controls can include groundwater use restrictions, construction restrictions, activity use limitations, and post-remediation care requirements intended to prevent exposure to contaminants. Deed restrictions are generally required as part of the institutional controls.

Engineering controls include various physical capping barriers, building foundations, liners, and treatment methods protective of human health and the environment.

7.1.6 Emergency Response Notification System (ERNS)

The U.S. Coast Guard National Response Center maintains a database of reported releases of oil and hazardous substances.

7.1.7 State/Tribal Superfund or Hazardous Waste Sites (SHWS)

A State/Tribal Superfund or Hazardous Waste Sites (SHWS) database is maintained by the Iowa Department of Natural Resources (IDNR). The SHWS facility list is intended to be a state-level equivalent of the NPL and CERCLIS databases.

7.1.8 State/Tribal Landfill and/or Solid Waste Disposal Sites

The State/Tribal Landfill and/or Solid Waste Disposal Sites databases are a list of facilities maintained for the disposal of municipal solid waste (landfills).

7.1.9 State/Tribal Leaking Storage Tank Lists

IDNR maintains a listing of leaking underground storage tank (LUST) and leaking aboveground storage tank (LAST) facilities.

7.1.10 State/Tribal Storage Tanks

IDNR maintains a database of registered aboveground storage tanks (ASTs) and underground storage tanks (USTs).



7.1.11 State/Tribal Institutional Controls

Similar to the EPA federal list of institutional controls/engineering control facilities, the IDNR maintains a listing of facilities assigned with State institutional controls.

7.1.12 State/Tribal Voluntary Cleanup Sites

IDNR maintains a listing of facilities where owners and parties responsible for contamination have voluntarily undertaken cleanup activities overseen by the state.

7.1.13 State/Tribal Brownfields

IDNR maintains a database of facilities where expansion, redevelopment, or reuse of the facilities may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.

7.2 Database Information

Due to the size of the Property, the regulatory database search was conducted using the center point of the Property and a one mile radius in addition to the standard ASTM E1527-13 search radii. The database report identified 22 listings within two miles of the center point of the Property. The database listings are linked to seven sites, which are shown on the Database Report Findings Map in Appendix A. The following sections discuss database listings pertaining to the Property and in the immediate vicinity.

7.2.1 Property Database Listings

The Property was not referenced in the regulatory database report.

7.2.2 Vicinity Database Listings

The following sections summarize the adjacent database report listings. The remaining database listings were not considered RECs for the Property based on their distance, regulatory status, and/or location relative to the Property.

Clinton County Bio Energy

Clinton County Bio Energy, 5640 S 44th Avenue, is listed in the FINDS, TIER 2, RCRA NonGen/NLR, SPILLS, US AIRS and AIRS databases. The site is also identified as Nova Biofuels Clinton County, LLC. The site is located adjacent to the south boundary of the Property and downgradient from the Property. No listings were identified in the ASTM E1527-13 databases, all of the listings are in supplemental databases and are not related to hazardous materials or petroleum product releases. Based on its topographic location and regulatory status, the Clinton County Bio Energy database listings are not identified as a REC for the Property.

Former Site of Dahlen Transport, Inc.

Former Site of Dahlen Transport, Inc., 6408 44th Avenue South, is listed in the LUST, UST, RCRA NonGen/NLR and FINDS databases. Located adjacent to the south boundary of the Property and downgradient from the Property. The database details two RCRA Generator violations, both violations have been closed. The UST listing identifies four double wall steel tanks were closed in place. The LUST listing identifies two separate spill records for the site. The lowa Department of Natural Resources Tier 2 Report documents the presence of contamination in the soil and underlying groundwater at the site. The



levels of contamination were below the Tier 1 and Tier 2 standards and No Further Action certificates were issued for both spills. Based on its topographic location and regulatory status, the Former Site of Dahlen Transport, Inc. database listings do not represent a REC for the Property. Site maps, obtained from IDNR, showing the extent of contamination are included in Appendix F. The complete IDNR file will be provided upon request.

7.2.3 Unmapped "Orphan" Listings

Unmapped orphan database listings are facilities that a database provider typically could not locate because of inadequate geocode or address information. The database report listed one unmapped or "orphan" facilities located in the property zip code area. Confirmation of the location of "unmappable" facilities listed by the information service company is beyond the scope of this study. However, a cursory review of the unmapped listings was performed.

No orphan sites were identified within the ASTM E1527-13 search distances listed in Section 7.1

7.3 Additional Environmental Record Sources

Olsson contacted pertinent regulatory agencies for information regarding the Property. The regulatory information is provided in Appendix F. The following sections summarize the regulatory agency contact information.

7.3.1 Iowa Department of Natural Resources

The IDNR regulatory database was accessed on January 5, 2016 to research environmental permits, citations, or violations for the Property. Review of the IDNR records did not identify any new listings of record for the Property or adjoining properties.



8. Interviews

Olsson interviewed property owner representatives, the current Property owner, and local agencies as appropriate regarding the Property. The following table summarizes those interviews.

Interview Summary

interview Summary					
Contact Name	Agency/Affiliation	Interview Method	Information Obtained		
Ms. Jenelle Kreiling	Business Development Manager for CRDC	Questionnaire	Ms. Kreiling completed the user's questionnaire and an ASTM Phase I ESA questionnaire. The information is discussed in Sections 3 and 6.3.		
Ms. Jessica Kinser	City Administrator for City of Clinton Current Property Owner	Questionnaire	Ms. Kinser completed an ASTM Phase I ESA questionnaire. That information is discussed in Section 6.3.		
Unavailable	City Clerk, Low Moor, IA	Email	The City Clerk was contacted regarding hazardous material or petroleum leaks or spills at the Property. No response was received.		
Mr. Mike Brown	Fire Chief, Clinton Fire Department	Email	Mr. Brown was contacted regarding hazardous material responses to the Property. No response was received.		

The ESA interviews did not identify RECs in association with the Property.



9. Additional Services

Other additional services including non-scope issues detailed in ASTM E1527-13 (e.g. asbestos sampling, lead-based paint sampling, wetlands review, lead in drinking water sampling, radon testing, etc.) were not conducted as part of the Phase I ESA for the Property.



10. Findings

The following paragraphs summarize the findings of the Phase I ESA report. The report must be read in its entirety to develop a comprehensive understanding of the ESA information process.

The following significant findings were identified from review of historic records, regulatory databases, site reconnaissance, or interviews.

- Three industrial facilities were identified adjacent to the Property. These facilities include a scrap
 metal yard, a precast concrete facility and a biofuels facility. The facilities are located
 downgradient and do not pose an eminent threat, therefore they are not identified as a REC for
 the Property.
- Two ASTs were observed on the adjacent properties to the south. One AST is located at the
 precast concrete facility and the second AST is located at the biodiesel facility. No obvious
 staining or indications of leaks were observed from the Property boundary. The ASTs do not
 represent a REC for the Property.
- Several 55-gallon drums and one storage tote were observed at the precast concrete facility.
 Staining was observed on the side of the storage tote, but not on the ground below it. No staining was observed around the 55-gallon drums. The presence of these containers does not represent a REC for the Property.
- Two pad mounted transformers were observed on the Property and a substation is located southeast of the Property. Labels indicating the presence of PCB oil were not observed on the equipment. No staining was observed on or below the equipment. The substation and transformer equipment does not represent a REC for the Property.
- A City of Clinton Public Works facility is located in the southeast corner of the Property. The facility
 is believed to be a lift station for the sanitary sewer system. No stained or stressed vegetation
 was observed near the facility. Pipeline markers were observed around the facility. These
 observations do not represent a REC for the Property.
- Historical topographic maps and aerial photographs indicate the Property and adjacent properties were generally used for agricultural land. Multiple private residences were located throughout the area.
- Clinton County Bio Energy, located adjacent to the Property, was identified in several supplemental regulatory databases. The listings were not related to hazardous materials or petroleum product releases. This site does not represent a REC for the Property.
- Former Site of Dahlen Transport, Inc., located adjacent to the Property, was identified in the LUST, UST, and three supplemental regulatory databases. The UST listing indicates that four tanks were closed in place. The LUST listing details two spill records for the site. Both spills were investigated by IDNR. Contamination was found on-site, at levels below the Tier 1 and Tier 2 standards. No further action certificates were issued and the sites were closed. This site does not represent a REC for the Property.



11. Opinion

Olsson's opinions pertaining to the impact on the Property of the conditions identified in Section 10.0 and our rationale for concluding whether a condition is or is not a REC is included in the sections of the report where those conditions were originally discussed (Sections 4, 5, 6 and 7).



12. Conclusions

Olsson has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of the Lincolnway Industrial Rail site located at 54th Street and 44th Avenue in Clinton, Clinton County, Iowa (referred to as the "Property"). Any exceptions to, or deletions from, this practice are described in Section 13 of this report. This assessment has revealed no evidence of RECs or CRECs in connection with the Property.



13. Deviations

Olsson has evaluated the provided information for significant data gaps that, if present, are discussed in their respective report sections.



14. References

Documents used in the preparation of this report are referenced in the relevant report sections.



15. Signature of Environmental Professional

Olsson conducted this Phase I ESA and reviewed all appropriate records made available to Olsson within the performance period of this assessment, conducted property inspection, and performed an analysis of current and historical information collected during the record search. The information contained within the ESA report, to the best of Olsson's knowledge, is correct.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional, as defined in Section 312.10 of 40 Code of Federal Regulations (CFR) 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the property. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practice set forth in 40 CFR Part 312. Qualifications and credentials for the Environmental Professional and the qualifications of the personnel conducting the site reconnaissance and interviews if conducted by someone other than an environmental professional are included in Appendix G.

Ryan Doty

Environmental Professional

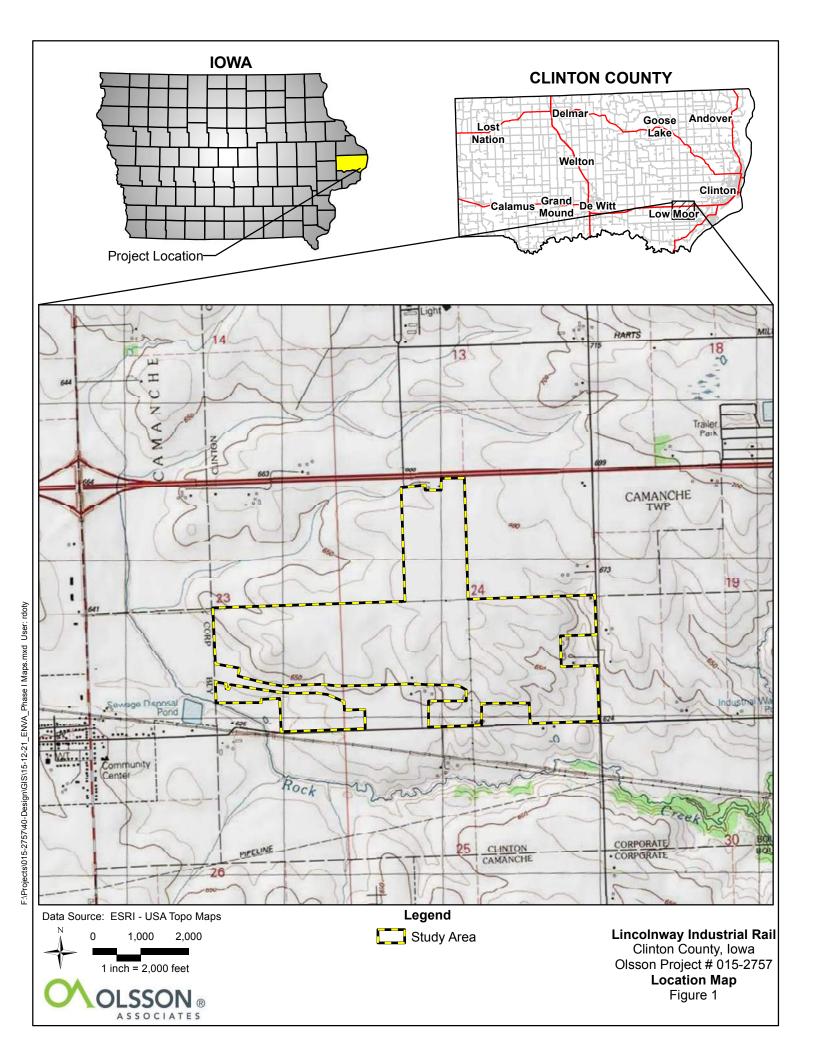
January 13, 2016

Date

Brian Osborn Reviewer



Appendix A
Figures



2 - Precast Concrete Facility

3 - Biodiesel Facility

F:\Projects\015-2757\40-Design\GIS\15-12-21_ENVA_Phase I Maps.mxd User: rdoty

Appendix B User Questionnaire



ASTM E 1527-13 PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA) USER QUESTIONNAIRE

Property Name: Clinton Regional Development Corporation Property Address: South 44th Ave & S 54th Street, Clinton IA

Introduction

⊠ No

local law?

In order to qualify for one of the Landowner Liability Protections (LLPs)187 offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"),188 the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

ASTM E 1527-13 defines the "User" as the party seeking to use Practice E1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.

1. Environmental liens that are filed or recorded against the property (40 CFR 312.25).

Did a search of recorded land title records (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

NOTE 1— In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

2.	Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.2(a)1(v) and vi).
	d a search of recorded land title records (or judicial records where appropriate, see Note 1 above) ntify any AULs, such as engineering controls, land use restrictions or institutional controls that are in

place at the property and/or have been filed or recorded against the property under federal, tribal, state or

 \boxtimes No \square Yes If yes, please explain.

Yes If yes, please explain.

3.	Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.29).
exa or a	you have any specialized knowledge or experience related to the property or nearby properties? For imple, are you involved in the same line of business as the current or former occupants of the property an adjoining property so that you would have specialized knowledge of the chemicals and processes ad by this type of business?
	No ☐ Yes If yes, please explain.
4.	Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CR 312.29).
pro	es the purchase price being paid for this property reasonably reflect the fair market value of the perty? If you conclude that there is a difference, have you considered whether the lower purchase is because contamination is known or believed to be present at the property?
	No \square Yes \square Not Applicable (N/A) If you conclude that there is a price difference, have you is idered whether the lower purchase price is because contamination is known or believed to be sent at the property? \square No \square Yes If yes, please explain.
5.	Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).
help	you aware of commonly known or reasonably ascertainable information about the property that would be the environmental professional to identify conditions indicative of releases or threatened releases? example,
	 (a) Do you know of the past uses of the property? (b) Do you know of specific chemicals that are present or were once present at the property? (c) Do you know of spills or other chemical releases that have taken place at the property? (d) Do you know of any environmental cleanups that have taken place at the property? \omega No Yes If yes to any of the above, please explain.



6.	The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).
	sed on your knowledge and experience related to the property are there any obvious indicators that nt to the presence or likely presence of releases at the property?
	No ☐ Yes If yes, please explain.
He	Ipful Documents Checklist
Pur the	rsuant to ASTM E 1527-13 §10.8, certain information should be collected, if available, and provided to environmental professional selected to conduct the Phase I ESA. The information is intended to sist the environmental professional, but is not necessarily required to qualify for one of the LLPs.
	Environmental site assessment reports
	Environmental compliance audit reports
	ALTA / ASCM or Site Improvement Map
	Environmental permits (for example solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits)
	Registrations for above or underground storage tanks
	Registration for underground injection systems
	Material safety data sheets
	Community right-to-know plan
	Risk assessments
	Safety plans; preparedness and prevention plans; spill prevention, countermeasure and control (SPCC) plans, facility response plans, etc.
	Reports regarding hydrogeologic conditions on the property or surrounding area
	Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the site or relating to environmental liens encumbering the site
	Hazardous waste generation notices or reports
	Geotechnical studies
	Recorded activity and land use limitations (AULs)
	rsuant to ASTM E 1527-13 §10.9, the following information should be provided prior to the site visit. e you aware of:
7.	Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? $\ \ \ \ \ \ \ \ \ \ \ \ \ $
8.	Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? \square No \square Yes



9.	Any notices from any governmental entity regarding any possible violation of environmental laws possible liability relating to hazardous substances or petroleum products?	
10.	 Purpose for completing the ESA ESA completed for Site Certification Program sponsored by the Iowa Economic Developme Authority. 	
11.	 Please verify the correct property address, land area, and building square footage, if known A map helpful). The Site is located at the corner of South 44th Ave and South 54th Street in Clinton, IA. The lar totals 450 acres. 	
12.	Provide the property type (commercial, retail, office, etc.) and the property transaction type (s purchase, exchange, etc.)	
	This property is zoned for industrial uses.	
13.	List any special Phase I ESA terms and condit	ions, and all parties who will be relying on the report.
14.	Property contact name and information (teleph Jenelle Kreiling Clinton Regional Development Corporation jkreiling@clintondevelopment.com 563-242-4536	one, email, etc.).
Th	is questionnaire was completed by:	
Jer	nelle Kreiling	January 6, 2016
Na	me	Date
Bus	siness Development Manager	Clinton Regional Development Corp
Titl	e	Company Name
Pro	pperty Manager	563-242-4536
Rel	lationship to the property	Telephone





January 4, 2016

Kimberly L. Williams Principal McCallum Sweeney Consulting 15 S. Main Street Greenville, SC 29601

Dear Ms. Williams,

Abstract & Title Guaranty Company has been asked by the Clinton Regional Development Corporation, (CRDC) to update our letter of June 9, 2015 regarding known rights-of-way, easements, liens, etc. that might negatively impact the ability to develop the property at the Lincolnway Industrial Rail and Air Park.

As previously stated, there are restrictive covenants for the lots in Lincolnway Industrial Rail & Air Park – Part 1. There is a transmission power line easement across the middle of the land, running from east to west. There are rights-of way easements for the county roads on the south and east boundaries, and for U.S. Highway 30 on the northern boundary. Other than mortgages and UCC filings, there are no liens, including environmental liens or activity/use limitations, per the public record.

If you have any questions, please don't hesitate to contact me at 563-243-2027 or email me at jeisenman@abstractco.com.

Very truly,

John R. Eisenman

Executive Vice President

Appendix C Reconnaissance Photographs



Attributes	
Comment	Looking across the Property.



Attributes	
Comment	Looking across the Property.



Attributes

Comment

Looking across the Property. Private residence located in the northeast corner of the Property. Adjacent property to the north in the background.



Attributes	
Comment	Looking across the Property.



Attributes	
Comment	Looking across the Property.



Attributes		
Comment		Looking across the Property.



Attributes	
Comment	Looking across the property.



Attributes	
Comment	Looking across the Property.



Attributes	
Comment	AST located on adjacent property to the south.



Attributes	
Comment	AST & drums on adjacent property to the south.



Attributes	
Comment	AST & drums on adjacent property to the south.



Attributes	
Comment	Public Works facility, located in the southeast corner
	of the Property.



Attributes	
Comment	Sewer forcemains, located in the southeast corner of
	the facility.



Attributes	
Comment	Transformers at the Public Works facility in the
	southeast corner of the Property.



Attributes		
	Comment	Substation located southeast of the Property.



Attributes	
Comment	Adjacent property to the north.



Attributes		
	Comment	Adjacent property to the north.



Attributes	
Comment	Adjacent property to the north.



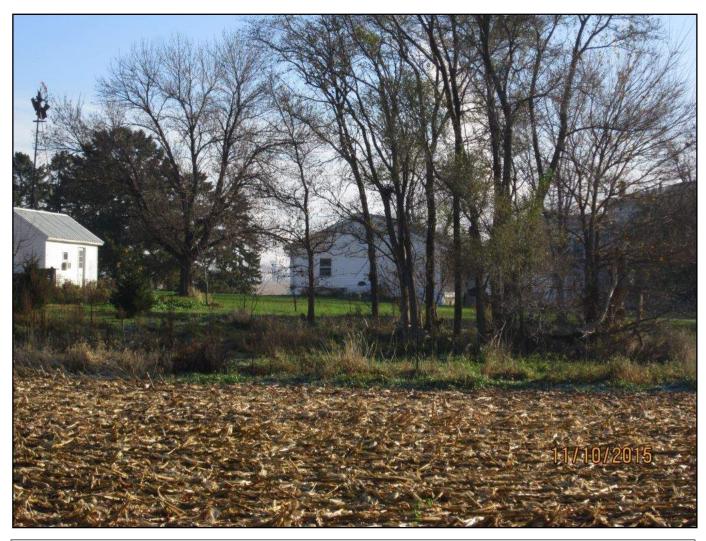
Attributes	
Comment	Adjacent property to the north.



Attributes	
Comment	Adjacent property to the east.



	Attributes	
C	omment	Adjacent property to the east.



Attributes	
Comment	Adjacent property to the east.



Attributes	
Comment	Adjacent property to the east.



Attributes	
Comment	Adjacent property to the south



Attributes	
Comment	Adjacent property to the south.



Attributes	
Comment	Adjacent property to the south.



Attributes	
Comment	Adjacent property to the south.

Appendix D Historical Information

Lincolnway Industrial Rail 54th St & 44th Ave S Clinton, IA 52732

Inquiry Number: 4490406.8

December 11, 2015



EDR Historical Topo Map Report

12/11/15

Site Name: Lincolnway Industrial Rail 54th St & 44th Ave S

Clinton, IA 52732 EDR Inquiry # 4490406.8 Client Name: Olsson Associates 2111 South 67th Street Omaha, NE 68106

Contact: Ryan Doty



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Olsson Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:	Coordinates:

Site Name: Lincolnway Industrial Rail Latitude: 41.8058 41° 48' 21" North

Address: 54th St & 44th Ave S Longitude: -90.3257 -90° 19' 33" West

City, State, Zip: Clinton, IA 52732 UTM Zone: Zone 15 North

P.O.# NA UTM X Meters: 722160.42

Project: Lincolnway Industrial Rail UTM Y Meters: 4631672.29

Elevation: 670.00' above sea level

Maps Provided:

2013

1991

1976

1953

1899

1894

1892

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Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets



Camanche 2013 7.5-minute, 24000

1991 Source Sheets



Camanche 1991 7.5-minute, 24000 Aerial Photo Revised 1986 Edited 1991

1976 Source Sheets



Camanche 1976 7.5-minute, 24000 Photo Revised 1976 Aerial Photo Revised 1976

1953 Source Sheets

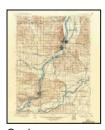


Camanche 1953 7.5-minute, 24000 Aerial Photo Revised 1952

Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1899 Source Sheets



Cordova 1899 30-minute, 125000



Clinton 1899 30-minute, 125000

1894 Source Sheets

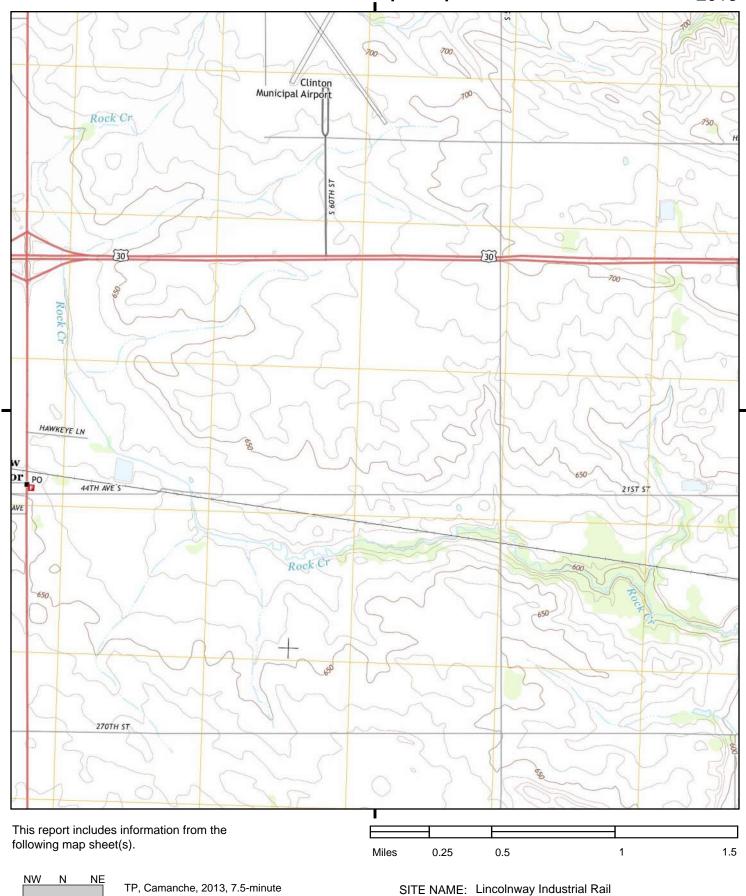


Goose Lake 1894 15-minute, 62500

1892 Source Sheets



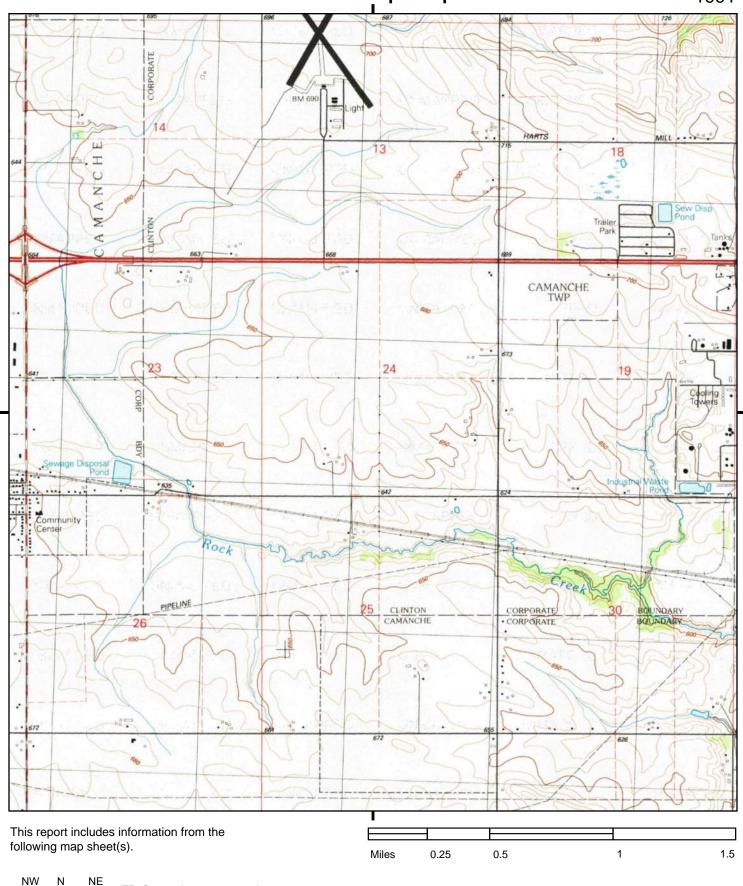
Goose Lake 1892 15-minute, 62500



W E SW S SE

ADDRESS: 54th St & 44th Ave S

Clinton, IA 52732 Olsson Associates CLIENT:



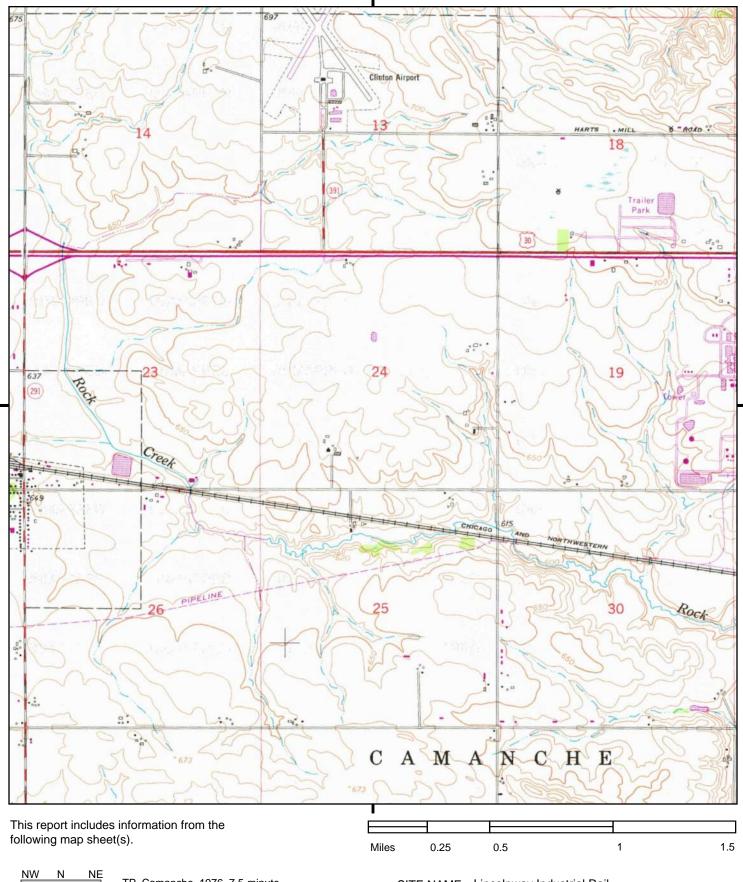
W N NE

TP, Camanche, 1991, 7.5-minute

SITE NAME: Lincolnway Industrial Rail ADDRESS: 54th St & 44th Ave S

Clinton, IA 52732

CLIENT: Olsson Associates



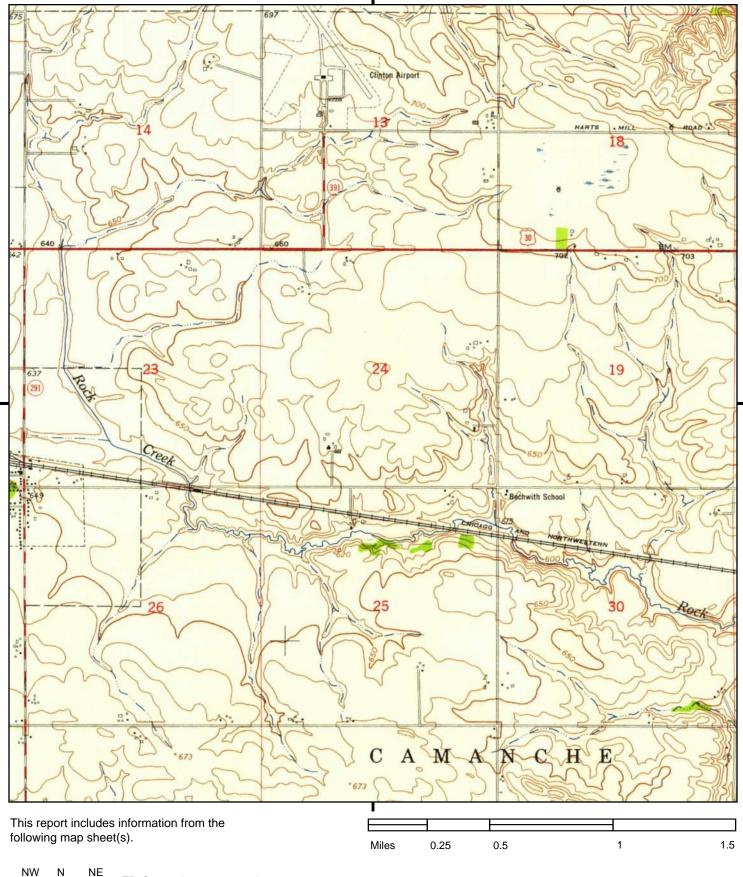
W E SW S SE

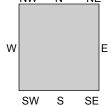
TP, Camanche, 1976, 7.5-minute

SITE NAME: Lincolnway Industrial Rail ADDRESS: 54th St & 44th Ave S

Clinton, IA 52732

Olsson Associates CLIENT:



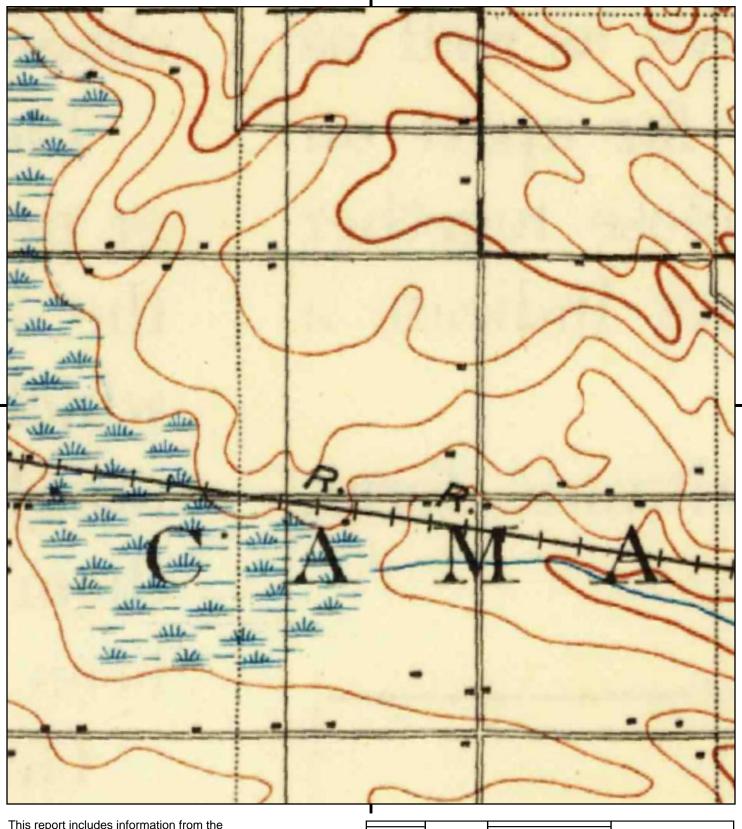


TP, Camanche, 1953, 7.5-minute

SITE NAME: Lincolnway Industrial Rail ADDRESS: 54th St & 44th Ave S

Clinton, IA 52732

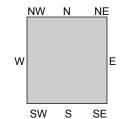
CLIENT: Olsson Associates



Miles

0.25

This report includes information from the following map sheet(s).



TP, Cordova, 1899, 30-minute
TP, Clinton, 1899, 30-minute

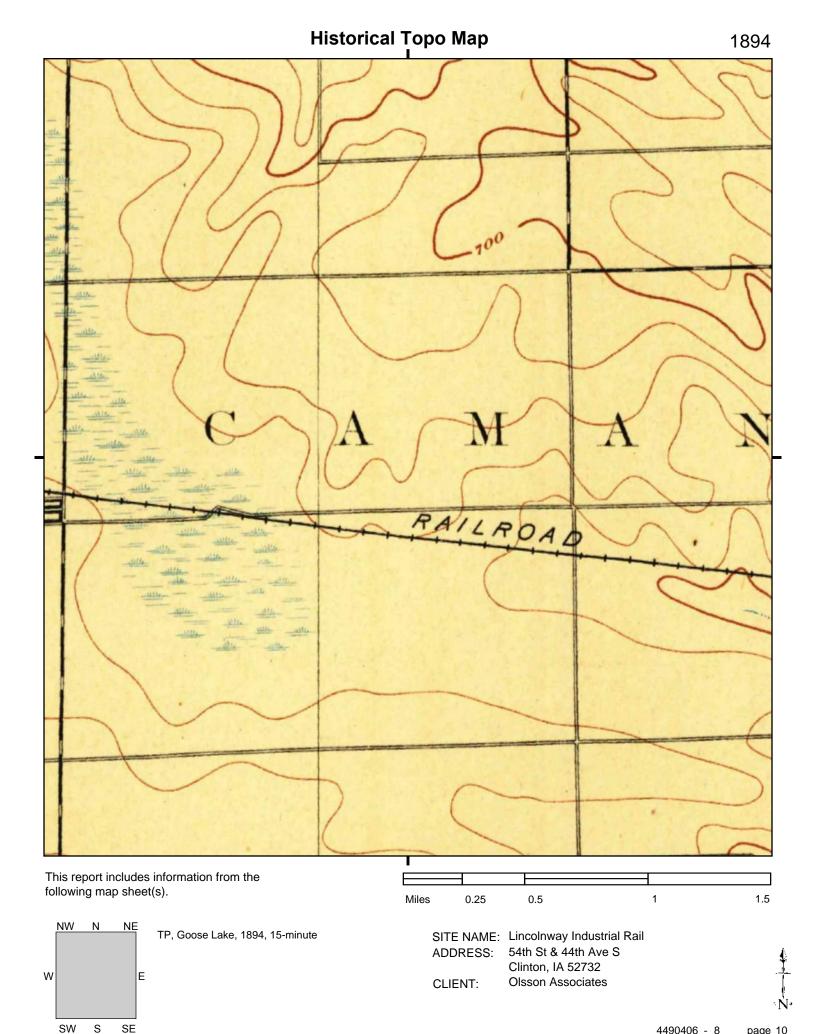
SITE NAME: Lincolnway Industrial Rail ADDRESS: 54th St & 44th Ave S

0.5

Clinton, IA 52732

CLIENT: Olsson Associates

1.5



W

SW

S

E

SE

Clinton, IA 52732

Olsson Associates

CLIENT:

Lincolnway Industrial Rail

54th St & 44th Ave S Clinton, IA 52732

Inquiry Number: 4490406.5

December 15, 2015



EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography December 15, 2015

Target Property:

54th St & 44th Ave S

Clinton, IA 52732

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=1200'	Flight Year: 1937	DOT
1951	Aerial Photograph. Scale: 1"=1200'	Flight Year: 1951	USDA
1963	Aerial Photograph. Scale: 1"=1200'	Flight Year: 1963	USDA
1969	Aerial Photograph. Scale: 1"=1200'	Flight Year: 1969	USDA
1984	Aerial Photograph. Scale: 1"=1200'	Flight Year: 1984	NHAP
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	USGS/DOQQ
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	USGS/DOQQ
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	USGS/DOQQ
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2007	Aerial Photograph. Scale: 1"=500'	Flight Year: 2007	USDA/NAIP
2007	Aerial Photograph. Scale: 1"=500'	Flight Year: 2007	USDA/NAIP

Year 2007	Scale Aerial Photograph. Scale: 1"=500'	Details Flight Year: 2007	Source USDA/NAIP
2007	Aerial Photograph. Scale: 1"=500'	Flight Year: 2007	USDA/NAIP
2008	Aerial Photograph. Scale: 1"=500'	Flight Year: 2008	USDA/NAIP
2008	Aerial Photograph. Scale: 1"=500'	Flight Year: 2008	USDA/NAIP
2008	Aerial Photograph. Scale: 1"=500'	Flight Year: 2008	USDA/NAIP
2008	Aerial Photograph. Scale: 1"=500'	Flight Year: 2008	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=500'	Flight Year: 2011	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=500'	Flight Year: 2011	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=500'	Flight Year: 2011	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=500'	Flight Year: 2011	USDA/NAIP

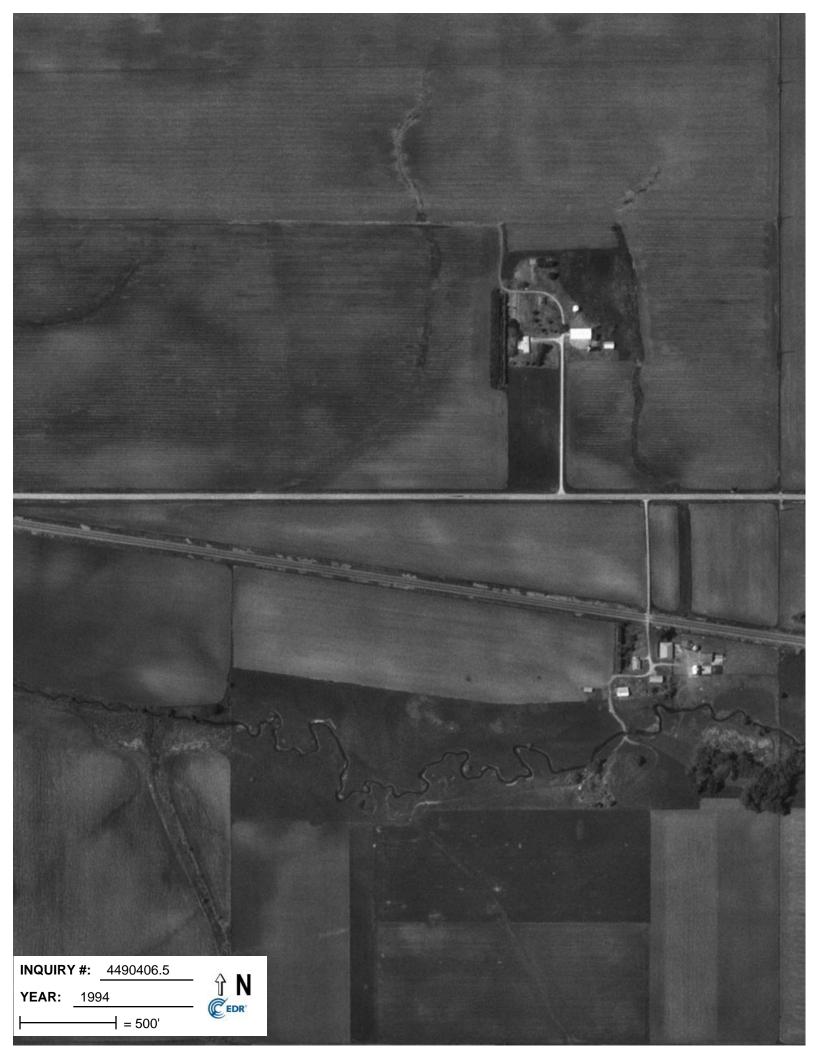


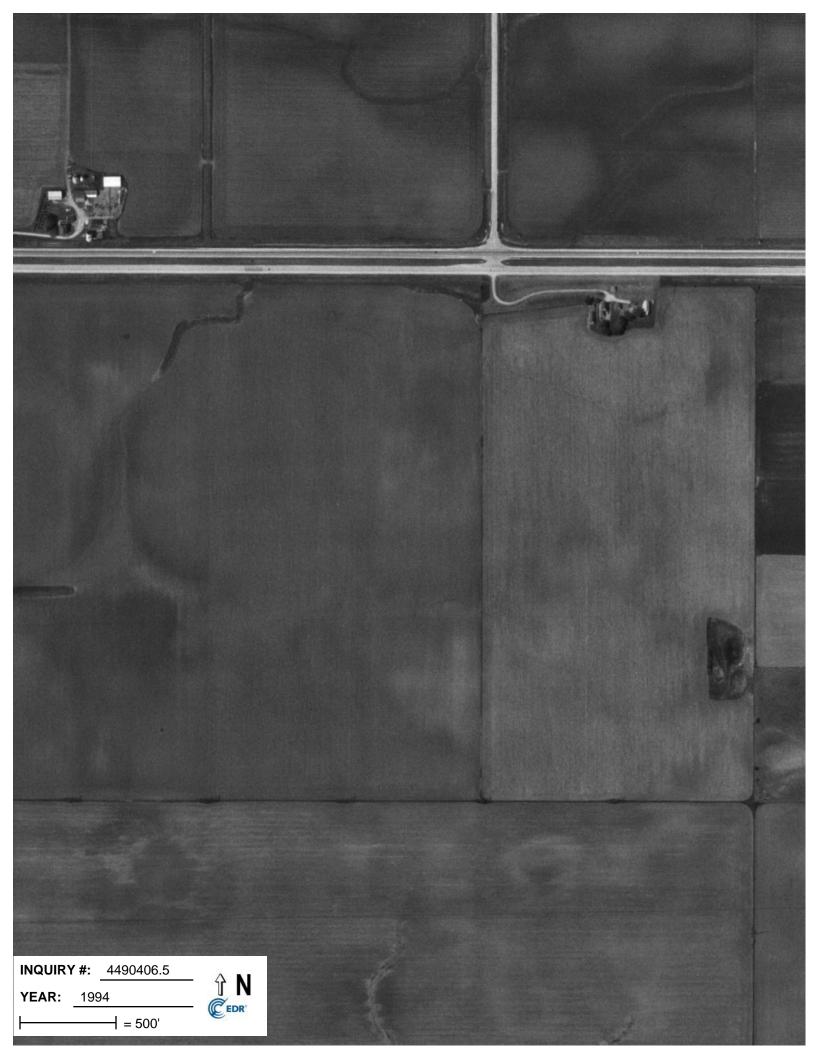




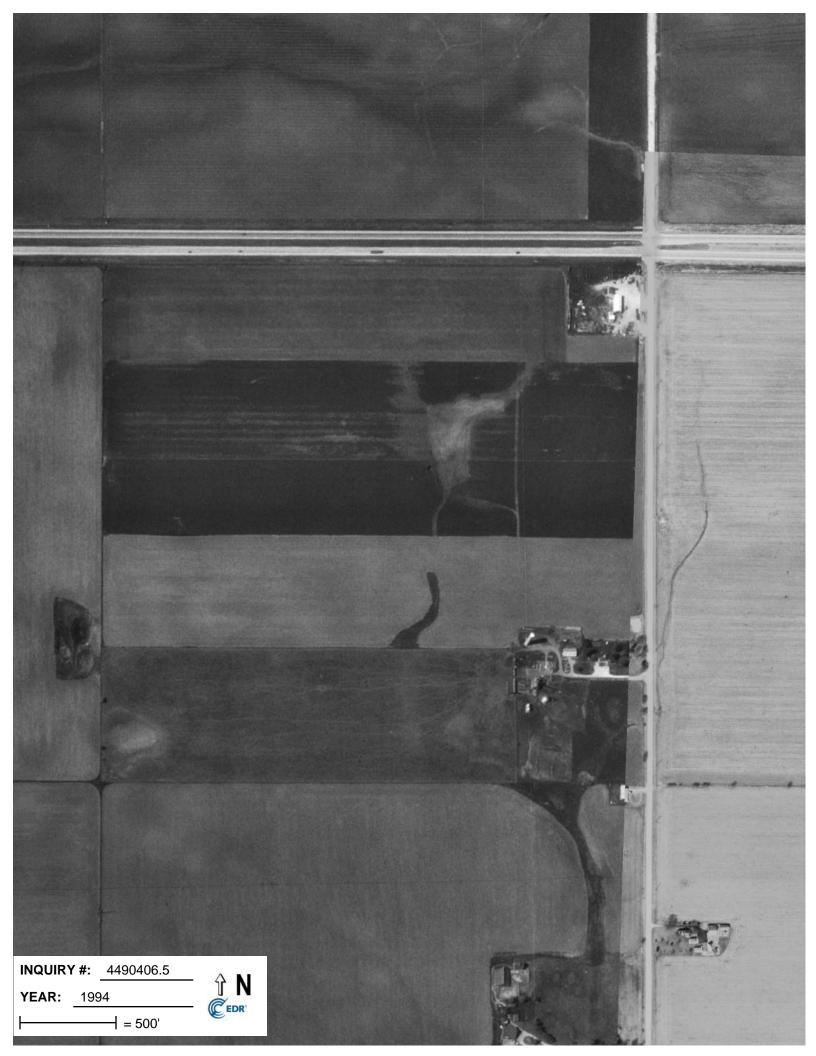




















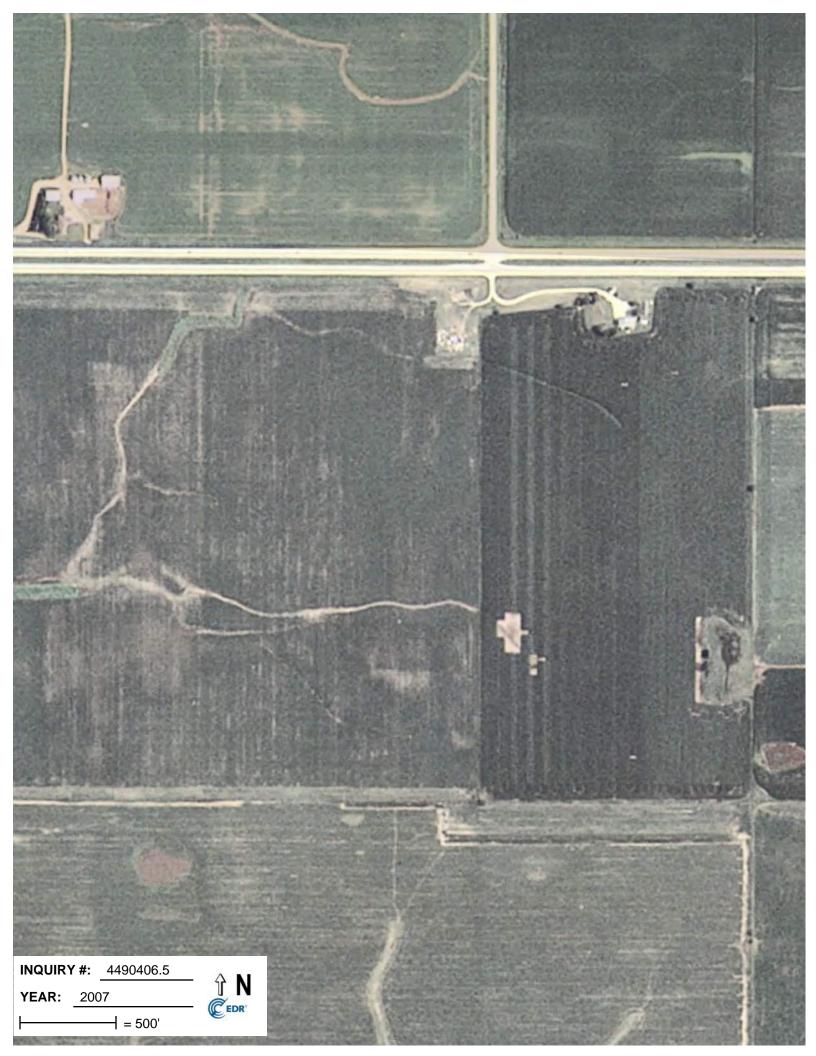








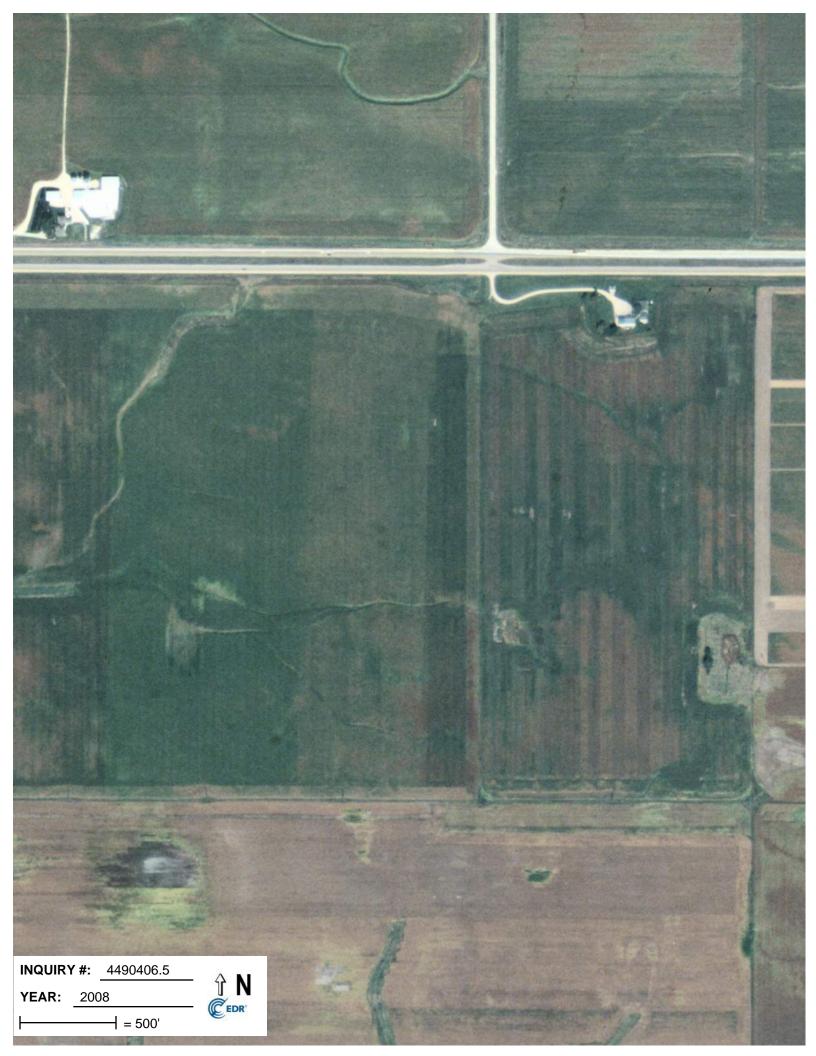




















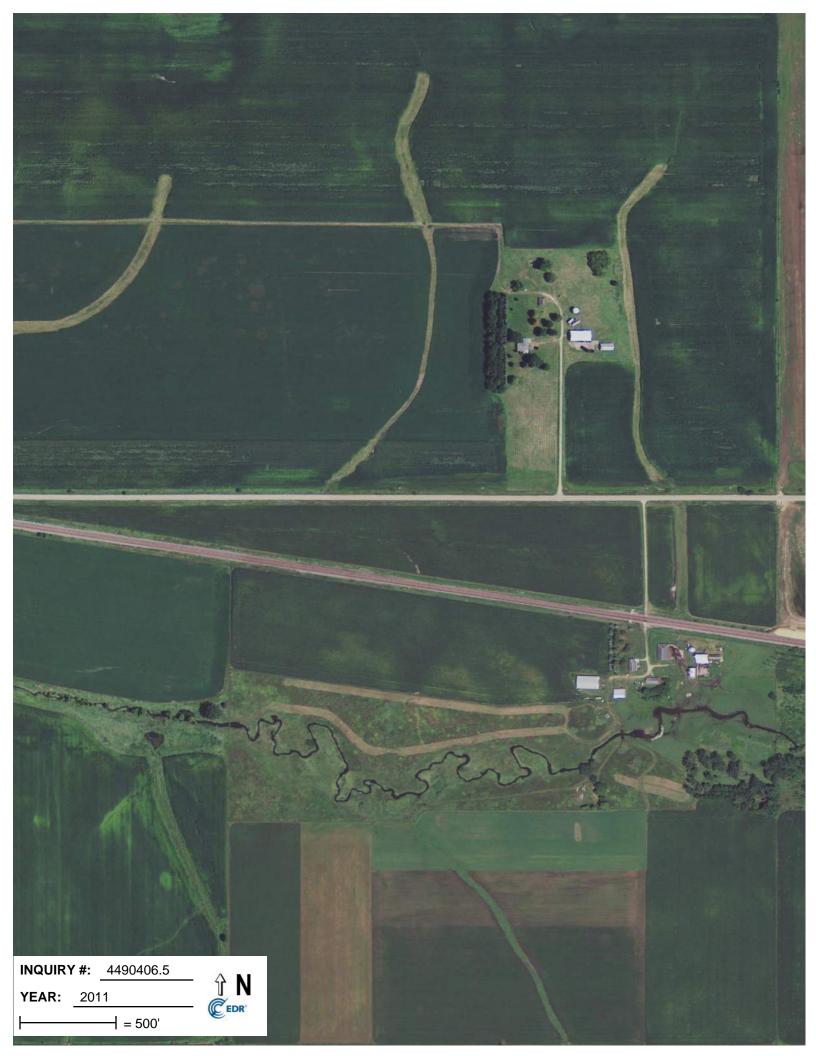


















ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Site Name	Lincolnway Industrial Rail & Air Park
Site Address	South 44 th Avenue and South 54 th Street, Clinton, IA

No.	Question	Yes	No	Unknown
1.	Is the property or any adjoining property used for an industrial or commercial use?	\boxtimes		
2.	To the best of your knowledge, has the property or any adjoining property been used for an industrial or commercial use in the past?	\boxtimes		
3.	Is the property or any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing or recycling facility?		\boxtimes	
4.	To the best of your knowledge, has the property or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing or recycling facility?			
5.	Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints or other chemicals in individual containers of greater than 5 gallon in volume or 50 gallon in the aggregate, stored on or used at the property or at the facility?			
6.	Are there currently, or to the best of your knowledge have there been previously, any industrial drums (typically 55 gal) or sacks of chemicals located on the property or at the facility?		\boxtimes	
7.	Has fill dirt been brought onto the property that originated from a contaminated site or that is of an unknown origin?		\boxtimes	
8.	Are there currently, or to the best of your knowledge have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?			
9.	Is there currently, or to the best of your knowledge has there been previously, any stained soil on the property?		\boxtimes	
10.	Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the property?			
11.	Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?		\boxtimes	
12.	Are there currently, or to the best of your knowledge have there been previously, any flooring, drains or walls located within any structure on the property that are stained by substances other than water or are emitting foul odors?			

13.	system, have contaminants been identified that exceed guidelines applicable to the wall been designated as contaminated by environmental health agency?	d in the well or system vater system or has the			
14.	Are there currently, or to the best of your leads to previously, any environmental liens notification relating to past or recurrent vice environmental laws with respect to the prolocated on the property?	or governmental plations of		\boxtimes	
15.	Have you been informed of the past or culhazardous substances or petroleum produviolations with respect to the property or a the property?	ucts or environmental		\boxtimes	
16.	To the best of your knowledge has any en assessment of the property or facility been indicated the presence of hazardous subsproducts on, or contamination of, the property?	n completed that stances or petroleum			
17.	Do you have any knowledge of any past, to lawsuits or administrative proceedings conthreatened release of any hazardous subsproducts involving the property by any ow property?	ncerning a release or stance or petroleum		\boxtimes	
18.	Does the property discharge wastewater of property other than storm water into a san			\boxtimes	
19.	To the best of your knowledge, have any long petroleum products, unidentified waste automotive or industrial factories or any of been dumped above grade, buried and/or property?	materials, tires, ther waste materials		\boxtimes	
20.	Is there a transformer, capacitor, or any how which there are any records indicating the				
additional ir	comments (if any): If you respond with a "Y formation here or attach to this document: garding questions #1-2, the land is being det is already in use that is zoned and used fo	eveloped as an industrial p			
correct and	er represents that to the best of the prepare to the best of the preparer's actual knowled onnaire was prepared by:				
Name:Je	nelle Kreiling	Date: <u>Janu</u>	ary 6,2016		<u>.</u>
Title: Bus	iness Development Manager	Signature:J	enelle Kreili	ng	
Firm: Cli	nton Regional Development Corporation				
Address: _	721 South 7 th Street. Clinton, IA 52732				
Phone: _56	63-242-4536				

ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT

		QUESTIONNAIRE			
Site Nam	е				
Site Addr	ess				
No.		Question	Yes	No	Unknown
1.		e property or any adjoining property used for an industrial or mercial use?	ø		
2.		ne best of your knowledge, has the property or any adjoining erty been used for an industrial or commercial use in the?	対		
3.	statio	e property or any adjoining property used as a gasoline on, motor repair facility, commercial printing facility, dry ners, photo developing laboratory, junkyard or landfill, or as a e treatment, storage, disposal, processing or recycling ty?		×	
4.	To th	ne best of your knowledge, has the property or any adjoining		X	

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property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage,

Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints or other chemicals in individual containers of greater than 5 gallon in volume or 50 gallon in the aggregate, stored on or used at the property or at

Are there currently, or to the best of your knowledge have there

been previously, any industrial drums (typically 55 gal) or sacks

Has fill dirt been brought onto the property that originated from a

Are there currently, or to the best of your knowledge have there

been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Is there currently, or to the best of your knowledge has there

Are there currently, or to the best of your knowledge have there

Are there currently, or to the best of your knowledge have there

Are there currently, or to the best of your knowledge have there

been previously, any flooring, drains or walls located within any structure on the property that are stained by substances other

been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or

been previously, any registered or unregistered storage tanks

of chemicals located on the property or at the facility?

contaminated site or that is of an unknown origin?

been previously, any stained soil on the property?

(above or underground) located on the property?

adjacent to any structure located on the property?

than water or are emitting foul odors?

disposal, processing or recycling facility?

5.

6.

7.

8.

9.

10.

11.

12.

the facility?

13.	If the property is served by a private well, or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental health agency?		M	1
14.	Are there currently, or to the best of your knowledge have there been previously, any environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?		X	
15.	Have you been informed of the past or current existence of hazardous substances or petroleum products or environmental violations with respect to the property or any facility located on the property?		Ø	
16.	To the best of your knowledge has any environmental site assessment of the property or facility been completed that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?		×	
17.	Do you have any knowledge of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?		Ø	
18.	Does the property discharge wastewater on or adjacent to the property other than storm water into a sanitary sewer system?		\$	
19.	To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial factories or any other waste materials been dumped above grade, buried and/or burned on the property?		7	
20.	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCB's?		Ø	72
Preparer's o	comments (if any): If you respond with a "Yes" to any of the above co	omments, p	lease prov	ide

Preparer's comments (if any): If you respond with a "Yes" to any of the above comments, please provide additional information here or attach to this document:

The site is is being developed as an industrial park; there is no current industrial use on land owned by the City of Clinton, but there are industrial uses on neighboring properties. and in

The preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have be suppressed or misstated. This questionnaire was prepared by:

····· deserver and has been added.	
Name: City of Clinton - Jessica Kinser	Date: 1/7/14
Title: City Administrator	Signature: Various Unnoun
Firm: City of Clinton	
Address: 611 S. 3rd St Clinton, (A 52732	V

Phone: 563-244-3430

Appendix E Environmental Database Report

Lincolnway Industrial Rail 54th St & 44th Ave S Clinton, IA 52732

Inquiry Number: 4491545.2s

December 14, 2015

The EDR Radius Map™ Report with GeoCheck®

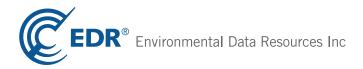


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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

54TH ST & 44TH AVE S CLINTON, IA 52732

COORDINATES

Latitude (North): 41.8063000 - 41° 48' 22.68" Longitude (West): 90.3298000 - 90° 19' 47.28"

Universal Tranverse Mercator: Zone 15 UTM X (Meters): 721824.1 UTM Y (Meters): 4631504.0

Elevation: 671 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5941183 CAMANCHE, IA

Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20110725, 20120618

Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 54TH ST & 44TH AVE S CLINTON, IA 52732

Click on Map ID to see full detail.

MAP			F	RELATIVE	DIST (ft. & mi.)
ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	ELEVATION	DIRECTION
A1	NOVA BIOFUELS CLINTO	5640 44TH AVE	FINDS	Lower	2460, 0.466, SE
A2	CLINTON COUNTY BIO E	5640 S 44TH AVENUE	TIER 2	Lower	2460, 0.466, SE
A3	CLINTON COUNTY BIO E	5640 44TH AVE S	RCRA NonGen / NLR	Lower	2460, 0.466, SE
A4	NOVA BIOFUELS CLINTO	5640 44TH AVENUE SOU	TIER 2	Lower	2460, 0.466, SE
A5		5640 44TH AVE S, CLI	SPILLS	Lower	2460, 0.466, SE
A6	CLINTON COUNTY BIO E	5640 44TH AVE S	US AIRS, FINDS, AIRS	Lower	2460, 0.466, SE
A7	DAHLEN TRANSPORT INC	6408 44TH AVE S	RCRA NonGen / NLR, FINDS	Lower	2556, 0.484, SE
8	DAHLEN TRANSPORT INC	6444 44TH AVE S	LUST, UST, FINDS	Lower	2823, 0.535, SE
9	LOW MOOR WWTP	260TH ST	FINDS	Lower	4474, 0.847, WSW
B10		HWY 30 & LIBERTYVILL	SPILLS	Lower	4812, 0.911, NW
B11		HIGHWAY 30	SPILLS	Lower	4812, 0.911, NW
12	C & J SERVICE CO	101 3RD ST	LUST, UST, RCRA NonGen / NLR, FINDS, Financial	Lower	6947, 1.316, WSW
13	CHEMPLEX CO II	HAWKEYE RD S OF HWY	CERCLIS, US ENG CONTROLS, US INST CONTROL, ROL	O, Lower	6978, 1.322, ESE
14	CITY OF CLINTON	2000 S 60TH ST	LUST, UST, Financial Assurance	Higher	7134, 1.351, North

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
NPL	
Proposed NPL	Proposed National Priority List Sites Federal Superfund Liens
	- 1 odoral Gaponana Elono
Federal Delisted NPL site lis	st
Delisted NPL	National Priority List Deletions
Federal CERCLIS list	
	Federal Facility Site Information listing
FEDERAL FACILITY	rederal Facility Site Information listing
Federal CERCLIS NFRAP si	ite List
CERCLIS-NFRAP	CERCLIS No Further Remedial Action Planned
Fodoval DCDA CODDACTO	forilities liet
Federal RCRA CORRACTS	
CORRACTS	Corrective Action Report
Federal RCRA non-CORRA	CTS TSD facilities list
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
Federal RCRA generators li	st
	RCRA - Large Quantity Generators
	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
Federal institutional control	ls / engineering controls registries
LUCIS	Law all law Osotos Hofeman Contain
LUCIS	Land Use Control Information System
	Land Use Control Information System
Federal ERNS list	Emergency Response Notification System

State- and tribai - eq	uivaient CERCLIS
SHWS	
State and tribal land	fill and/or solid waste disposal site lists
SWF/LF	Permitted Solid Waste Management Facilities
State and tribal leak	ing storage tank lists
	Leaking Aboveground Storage Tank Sites Leaking Underground Storage Tanks on Indian Land
State and tribal regis	stered storage tank lists
	Underground Storage Tank Listing
	Aboveground Storage Tank Sites
INDIAN UST	Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL..... Sites with Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP...... Voluntary Cleanup Priority Listing VCP...... Land Recycling Program Sites

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL....... National Clandestine Laboratory Register ALLSITES.......... Contaminated Sites Tracking Database DEL SHWS........ Delisted Contaminated Sites Listing US CDL.............. Clandestine Drug Labs

Local Land Records

LIENS....Liens Filed Listing

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS 90...... SPILLS 90 data from FirstSearch

Other Ascertainable Records

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR...... Financial Assurance Information EPA WATCH LIST..... EPA WATCH LIST

TSCA..... Toxic Substances Control Act

RMP...... Risk Management Plans

RAATS...... RCRA Administrative Action Tracking System

ICIS...... Integrated Compliance Information System

FTTS______FIFŘA/ TSCA Tracking System - FIFŘA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS..... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV...... Indian Reservations

UMTRA....... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US MINES...... Mines Master Index File

COAL ASH....... Coal Ash Disposal Site Listing

DRYCLEANERS...... Iowa Drycleaner List

Financial Assurance Information Listing

NPDES.....List of NPDES Permittees

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP...... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto..... EDR Exclusive Historic Gas Stations
EDR Hist Cleaner.... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS...... Recovered Government Archive State Hazardous Waste Facilities List

RGA LUST...... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 1.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEMPLEX CO II	HAWKEYE RD S OF HWY	ESE 1 - 2 (1.322 mi.)	13	39

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 09/10/2015 has revealed that there is 1 US ENG CONTROLS site within approximately 1.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEMPLEX CO II	HAWKEYE RD S OF HWY	ESE 1 - 2 (1.322 mi.)	13	39

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 09/10/2015 has revealed that

there is 1 US INST CONTROL site within approximately 1.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page	
CHEMPLEX CO II	HAWKEYE RD S OF HWY	ESE 1 - 2 (1.322 mi.)	13	39	

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Natural Resources' Underground Storage Tank Data list.

A review of the LUST list, as provided by EDR, and dated 09/08/2015 has revealed that there are 3 LUST sites within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF CLINTON Facility Id: 2243 Leak Status: Stopped	2000 S 60TH ST	N 1 - 2 (1.351 mi.)	14	50
Lower Elevation	Address	Direction / Distance	Map ID	Page
DAHLEN TRANSPORT INC Facility Id: 3834 Facility Id: 3833 Leak Status: Unknown Leak Status: Stopped	6444 44TH AVE S	SE 1/2 - 1 (0.535 mi.)	8	21
C & J SERVICE CO Facility Id: 2776 Leak Status: Unknown	101 3RD ST	WSW 1 - 2 (1.316 mi.)	12	32

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Natural Resources' Underground Storage Tank Data list.

A review of the UST list, as provided by EDR, and dated 09/08/2015 has revealed that there is 1 UST site within approximately 1.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DAHLEN TRANSPORT INC Facility Id: 8492	6444 44TH AVE S	SE 1/2 - 1 (0.535 mi.)	8	21
Registration: 198608283				

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

SPILLS: The List of Spills Incidents from the Department of Natural Resources

A review of the SPILLS list, as provided by EDR, and dated 09/08/2015 has revealed that there are 3 SPILLS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported Facility Id: 081508-MRH-1547	5640 44TH AVE S, CLI	SE 1/4 - 1/2 (0.466 mi.)	A5	15
Not reported Facility Id: 052407-MRH-2242	HWY 30 & LIBERTYVILL	NW 1/2 - 1 (0.911 mi.)	B10	30
Not reported Facility Id: 032307-RDS-1708	HIGHWAY 30	NW 1/2 - 1 (0.911 mi.)	B11	31

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/09/2015 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 1.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLINTON COUNTY BIO E	5640 44TH AVE S	SE 1/4 - 1/2 (0.466 mi.)	A3	13
DAHLEN TRANSPORT INC	6408 44TH AVE S	SE 1/4 - 1/2 (0.484 mi.)	A7	19

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 2 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEMPLEX CO II	HAWKEYE RD S OF HWY	ESE 1 - 2 (1.322 mi.)	13	39

US AIRS: The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

A review of the US AIRS list, as provided by EDR, and dated 07/22/2015 has revealed that there is 1

US AIRS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLINTON COUNTY BIO E	5640 44TH AVE S	SE 1/4 - 1/2 (0.466 mi.)	A6	16

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/20/2015 has revealed that there are 5 FINDS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NOVA BIOFUELS CLINTO	5640 44TH AVE	SE 1/4 - 1/2 (0.466 mi.)	A1	7
CLINTON COUNTY BIO E	5640 44TH AVE S	SE 1/4 - 1/2 (0.466 mi.)	A6	16
DAHLEN TRANSPORT INC	6408 44TH AVE S	SE 1/4 - 1/2 (0.484 mi.)	A7	19
DAHLEN TRANSPORT INC	6444 44TH AVE S	SE 1/2 - 1 (0.535 mi.)	8	21
LOW MOOR WWTP	260TH ST	WSW 1/2 - 1 (0.847 mi.)	9	30

AIRS: A listing of Minor and Title V sources.

A review of the AIRS list, as provided by EDR, and dated 09/14/2015 has revealed that there is 1 AIRS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLINTON COUNTY BIO E	5640 44TH AVE S	SE 1/4 - 1/2 (0.466 mi.)	A6	16
Status: Minor Facility Id: 23-01-067				

TIER 2: A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

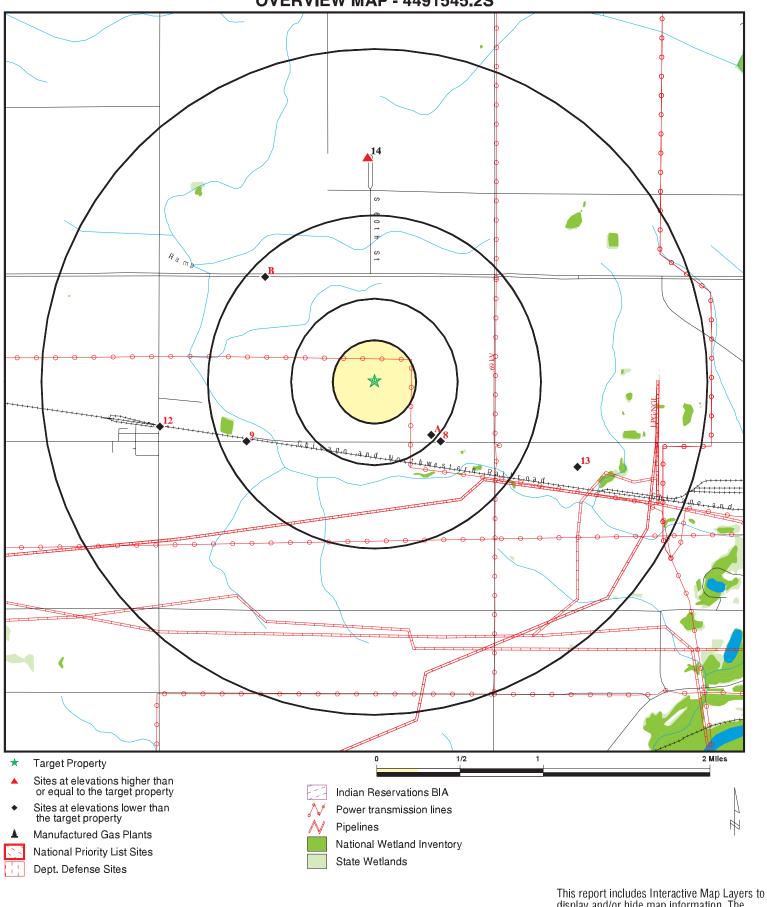
A review of the TIER 2 list, as provided by EDR, and dated 12/31/2014 has revealed that there are 2 TIER 2 sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLINTON COUNTY BIO E Facility Id: FAIDSIT2A00005179 Facility Id: 5179 State Id: IA	5640 S 44TH AVENUE	SE 1/4 - 1/2 (0.466 mi.)	A2	7
NOVA BIOFUELS CLINTO Facility Id: FAIDSIT2A00004956 State Id: IA	5640 44TH AVENUE SOU	SE 1/4 - 1/2 (0.466 mi.)	A4	14

Due to I	poor or inaded	juate address info	ormation, the	following sites	were not mappe	d. Count: 1 reco	ords.

Site Name	Database(s)
IDOT MAINT GARAGE	LUST, UST

OVERVIEW MAP - 4491545.2S

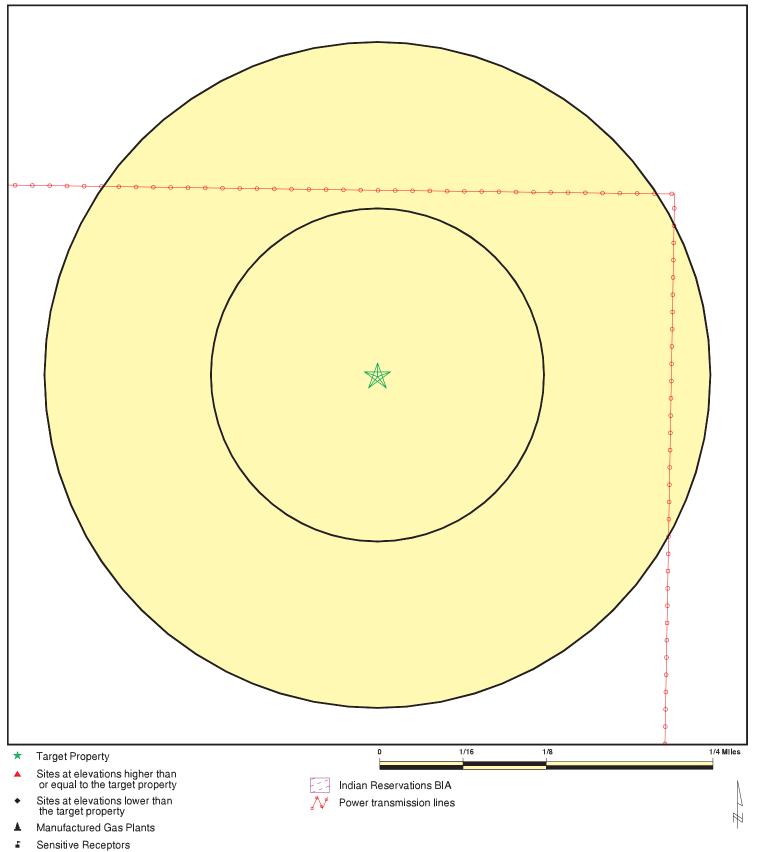


display and/or hide map information. The legend includes only those icons for the default map view.

CLIENT: Olsson Ass CONTACT: Ryan Doty SITE NAME: Lincolnway Industrial Rail Olsson Associates ADDRESS: 54th St & 44th Ave S Clinton IA 52732 INQUIRY#: 4491545.2s LAT/LONG: 41.8063 / 90.3298

DATE: December 14, 2015 1:28 pm

DETAIL MAP - 4491545.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Lincolnway Industrial Rail 54th St & 44th Ave S Clinton IA 52732 ADDRESS:

LAT/LONG: 41.8063 / 90.3298

National Priority List Sites Dept. Defense Sites

> CLIENT: Olsson Ass CONTACT: Ryan Doty Olsson Associates

INQUIRY#: 4491545.2s DATE: December 14, 2015 1:28 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
STANDARD ENVIRONMENTAL RECORDS									
Federal NPL site list									
NPL Proposed NPL NPL LIENS	2.000 2.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	0 0 NR	0 0 0	
Federal Delisted NPL site list									
Delisted NPL	2.000		0	0	0	0	0	0	
Federal CERCLIS list									
FEDERAL FACILITY CERCLIS	1.500 1.500		0 0	0 0	0 0	0 0	0 1	0 1	
Federal CERCLIS NFRAP site List									
CERCLIS-NFRAP	1.500		0	0	0	0	0	0	
Federal RCRA CORRAC	TS facilities li	st							
CORRACTS	2.000		0	0	0	0	0	0	
Federal RCRA non-CORRACTS TSD facilities list									
RCRA-TSDF	1.500		0	0	0	0	0	0	
Federal RCRA generators list									
RCRA-LQG RCRA-SQG RCRA-CESQG	1.250 1.250 1.250		0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	
Federal institutional controls / engineering controls registries									
LUCIS US ENG CONTROLS US INST CONTROL	1.500 1.500 1.500		0 0 0	0 0 0	0 0 0	0 0 0	0 1 1	0 1 1	
Federal ERNS list									
ERNS	1.000		0	0	0	0	NR	0	
State- and tribal - equiva	lent CERCLIS	3							
SHWS	2.000		0	0	0	0	0	0	
State and tribal landfill and/or solid waste disposal site lists									
SWF/LF	1.500		0	0	0	0	0	0	
State and tribal leaking storage tank lists									
LUST LAST INDIAN LUST	1.500 1.500 1.500		0 0 0	0 0 0	0 0 0	1 0 0	2 0 0	3 0 0	
State and tribal registered storage tank lists									
FEMA UST	1.250		0	0	0	0	0	0	

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST AST INDIAN UST	1.250 1.250 1.250		0 0 0	0 0 0	0 0 0	1 0 0	0 0 0	1 0 0
State and tribal institutional control / engineering control registries								
INST CONTROL	1.500		0	0	0	0	0	0
State and tribal voluntary cleanup sites								
INDIAN VCP VCP	1.500 1.500		0 0	0 0	0 0	0 0	0 0	0 0
State and tribal Brownfields sites								
BROWNFIELDS	1.500		0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	1.500		0	0	0	0	0	0
Local Lists of Landfill / S Waste Disposal Sites								
INDIAN ODI DEBRIS REGION 9 ODI	1.500 1.500 1.500		0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL ALLSITES DEL SHWS US CDL	1.000 1.500 2.000 1.000		0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	NR 0 0 NR	0 0 0 0
Local Land Records								
LIENS LIENS 2	1.000 1.000		0 0	0 0	0 0	0 0	NR NR	0 0
Records of Emergency Release Reports								
HMIRS SPILLS SPILLS 90	1.000 1.000 1.000		0 0 0	0 0 0	0 1 0	0 2 0	NR NR NR	0 3 0
Other Ascertainable Records								
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST 2020 COR ACTION	1.250 2.000 2.000 1.500 1.000 1.000		0 0 0 0 0	0 0 0 0 0 0	2 0 0 0 0 0	0 0 0 0 0	0 0 0 0 NR NR 0	2 0 0 0 0 0 0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TSCA	1.000		0	0	0	0	NR	0
TRIS	1.000		Ö	Ö	Ö	Ö	NR	Õ
SSTS	1.000		Ö	Ö	Ö	Ö	NR	Ö
ROD	2.000		Ö	Ö	Ö	Ö	1	1
RMP	1.000		Ö	Ö	Ö	Ö	NR	0
RAATS	1.000		0	Ō	Ö	Ö	NR	Ō
PRP	1.000		0	Ō	Ö	Ö	NR	Ō
PADS	1.000		Ö	Ö	Ö	Ö	NR	Ö
ICIS	1.000		0	0	0	0	NR	0
FTTS	1.000		0	Ō	Ö	Ö	NR	Ō
MLTS	1.000		Ö	Ö	Ö	Ö	NR	Ō
COAL ASH DOE	1.000		0	0	0	0	NR	0
COAL ASH EPA	1.500		0	0	0	0	0	0
PCB TRANSFORMER	1.000		0	0	0	0	NR	0
RADINFO	1.000		0	0	0	0	NR	0
HIST FTTS	1.000		0	0	0	0	NR	0
DOT OPS	1.000		0	0	0	0	NR	0
CONSENT	2.000		0	0	0	0	0	0
INDIAN RESERV	2.000		0	0	0	0	0	0
UMTRA	1.500		0	0	0	0	0	0
LEAD SMELTERS	1.000		0	0	0	0	NR	0
US AIRS	1.000		0	0	1	0	NR	1
US MINES	1.250		0	0	0	0	0	0
FINDS	1.000		0	0	3	2	NR	5
AIRS	1.000		0	0	1	0	NR	1
COAL ASH	1.500		0	0	0	0	0	0
DRYCLEANERS	1.250		0	0	0	0	0	0
Financial Assurance	1.000		0	0	0	0	NR	0
NPDES	1.000		0	0	0	0	NR	0
TIER 2	1.000		0	0	2	0	NR	2
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	2.000		0	0	0	0	0	0
EDR Hist Auto	1.125		0	0	Ö	Ö	Ö	Ö
EDR Hist Cleaner	1.125		Õ	Ö	Ö	Õ	Ö	Õ
			-	-		•		-
EDR RECOVERED GOVERN	IMENT ARCHI	<u>/ES</u>						
Exclusive Recovered Govt. Archives								
RGA HWS	1.000		0	0	0	0	NR	0
RGA LUST	1.000		0	0	0	0	NR	0
NOA LOOT	1.000		U	U	U	U	1417	U
- Totals		0	0	0	10	6	6	22

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID MAP FINDINGS

Direction Distance

Distance EDR ID Number
Elevation Site EPA ID Number

A1 NOVA BIOFUELS CLINTON COUNTY LLC FINDS 1010691771

N/A

TIER 2 S110278509

N/A

SE 5640 44TH AVE 1/4-1/2 CLINTON, IA 52732

0.466 mi.

2460 ft. Site 1 of 7 in cluster A

Relative: FINDS:

Lower

Registry ID: 110033161101

Actual:

639 ft. Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

A2 CLINTON COUNTY BIO ENERGY

SE 5640 S 44TH AVENUE 1/4-1/2 CLINTON, IA 52732

0.466 mi.

2460 ft. Site 2 of 7 in cluster A

Relative: TIER 2:

 Lower
 Report Year:
 2014

 Facility Id:
 5179

Actual: Id: 325199

639 ft. Description: All Other Basic Organic Chemical Manufacturing NAICS

Last Modified: Not reported

State Id: Not reported

Fire District: Clinton Fire Department

Not reported Site Map: Site Coord Abbreviation: Not reported Date Signed: 02/24/2010 Date Modified: 02/24/2015 Dike Or Other Safeguard: Not reported Mailing Address: Not reported Mail City: Not reported Mail State: Not reported Mail Zip: Not reported 41.80123 Latitude: Longitude: -90.32167 Notes: Not reported

Contact:

Report Year: 2014
Contact Id: 82092
Date Modified: Not reported
First Name: Dan
Last Name: Holesinger
Title: Not reported

Email: ccbe@ccbebiodiesel.com

Map ID MAP FINDINGS

Direction
Distance
Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

CLINTON COUNTY BIO ENERGY (Continued)

5640 44th Ave S

 City:
 Clinton

 Country:
 US

 State:
 IA

 Zip Code:
 52732

Type1: Owner / Operator
Last Modified: Not reported
Telephone: Not reported
Telephone Type: Not reported

Chemical:

Address:

Report Year: 2014
Chem Inv Record Id: 30433
CICAS: 64-19-7
EHS Chemical: Not reported

Chemical Name: ACETIC ACID, [GLACIAL]

Not reported Acute: 9000 Ave Amount: Ave Amount Code: Not reported 51000 Max Amount: Not reported Max Amount Code: Not reported Chronic: Not reported Last Modified: Days On Site: 365 Fire: True Gas: Not reported Liquid: True Mixture: Not reported Pressure: Not reported Pure: True Not reported

Reactive: Not reported Solid: Not reported Trade Secret: Not reported

Chemical Loc:

Report Year: 2014 Record Key: 45900 Chem Inv Record Id: 30433

Type Code: Above ground tank Pressure Code: Ambient pressure

Temperature Code: Greater than ambient temperature

Location: Not reported Date Last Modified: Not reported Amount: Not reported

2014 Report Year: Chem Inv Record Id: 30434 CICAS: 67-56-1 EHS Chemical: Not reported Chemical Name: **METHANOL** Acute: Not reported Ave Amount: 67000 Not reported Ave Amount Code: 120600 Max Amount: Max Amount Code: Not reported Chronic: Not reported Last Modified: Not reported S110278509

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number**

CLINTON COUNTY BIO ENERGY (Continued)

S110278509

EDR ID Number

Days On Site: 365 Fire: True Not reported Gas: Liquid: True Mixture: Not reported Pressure: Not reported Pure: True Reactive: Not reported Solid: Not reported Trade Secret: Not reported

Chemical Loc:

Amount:

2014 Report Year: 45901 Record Key: Chem Inv Record Id: 30434

Type Code: Above ground tank Ambient pressure Pressure Code: Ambient temperature Temperature Code: Location: Not reported Date Last Modified: Not reported

Report Year: 2014 33580 Chem Inv Record Id: 1310-58-3 CICAS: EHS Chemical: Not reported

Chemical Name: CAUSTIC POTASH, DRY, SOLID

Not reported

Acute: Not reported Ave Amount: 2000 Not reported Ave Amount Code: 20000 Max Amount: Max Amount Code: Not reported Chronic: Not reported Last Modified: Not reported

Days On Site: 365

Fire: Not reported Gas: Not reported Liquid: Not reported Mixture: True Not reported Pressure: Pure: Not reported Reactive: Not reported Solid: True Trade Secret: Not reported

Chemical Loc:

Report Year: 2014 Record Key: 50828 Chem Inv Record Id: 33580 Type Code: Bag

Pressure Code: Ambient pressure Temperature Code: Ambient temperature

Not reported Location: Date Last Modified: Not reported Amount: Not reported

Direction Distance Elevation

istance EDR ID Number levation Site Database(s) EPA ID Number

CLINTON COUNTY BIO ENERGY (Continued)

S110278509

Report Year: 2014
Chem Inv Record Id: 52817
CICAS: 64-18-6
EHS Chemical: Not reported

Chemical Name: Potassium Methanoate

Acute: Not reported 50000 Ave Amount: Ave Amount Code: Not reported Max Amount: 90000 Max Amount Code: Not reported Chronic: Not reported Not reported Last Modified: Days On Site: 365

Fire: Not reported
Gas: Not reported
Liquid: True
Mixture: True

Pressure: Not reported Pure: Not reported Reactive: Not reported Solid: Not reported Trade Secret: Not reported

Chemical Mix:

Report Year: 2014
Record Key: 25144
Chemical Inv Recid: 52817
Mx Chemical: Methanol
Mx Cas: 67-56-1
Percentage: 68

Wt Vol: Not reported Mx Ehs: Not reported Last Modified: Not reported

Report Year: 2014 Record Key: 25143 Chemical Inv Recid: 52817

Mx Chemical: Potassium Methanoate

Mx Cas:64-18-6Percentage:32Wt Vol:Not reportedMx Ehs:Not reportedLast Modified:Not reported

Chemical Loc:

Report Year: 2014
Record Key: 66063
Chem Inv Record Id: 52817

Type Code: Tank Inside Building
Pressure Code: Ambient Pressure
Temperature Code: Ambient temperature

Location: Not reported
Date Last Modified: Not reported
Amount: Not reported

Report Year: 2014

Direction Distance Elevation

on Site Database(s) EPA ID Number

CLINTON COUNTY BIO ENERGY (Continued)

S110278509

EDR ID Number

63849 Chem Inv Record Id: CICAS: 7664-38-2 EHS Chemical: Not reported Chemical Name: Phosphoric Acid Acute: Not reported Ave Amount: 1000 Not reported Ave Amount Code: 1750 Max Amount: Max Amount Code: Not reported Chronic: Not reported Last Modified: Not reported Days On Site: 200 Fire: Not reported

Gas: Not reported Liquid: True Mixture: Not reported Pressure: Not reported Not reported Pure: Reactive: Not reported Solid: Not reported Trade Secret: Not reported

Chemical Mix:

Report Year: 2014 Record Key: 34914 Chemical Inv Recid: 63849

Mx Chemical: Phosphoric Acid
Mx Cas: 7664-38-2
Percentage: 100
Wt Vol: Not reported
Mx Ehs: Not reported
Last Modified: Not reported

Chemical Loc:

Report Year: 2014
Record Key: 70518
Chem Inv Record Id: 63849
Type Code: Tote Bin

Pressure Code: Ambient Pressure Temperature Code: Ambient temperature

Location: Not reported Date Last Modified: Not reported Amount: Not reported

Report Year: 2012

Facility Id: FAIDSIT2A00005179

State Id: Not reported

Fire District: Clinton Fire Department

Site Map: True
Site Coord Abbreviation: False
Date Signed: 01/01/1900
Date Modified: 02/20/2012
Dike Or Other Safeguard: False
Mailing Address: Not reported
Mail City: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CLINTON COUNTY BIO ENERGY (Continued)

S110278509

EDR ID Number

Mail State: Not reported
Mail Zip: Not reported
Latitude: 41.80123
Longitude: -90.32167
Notes: Not reported

Report Year: 2012
Facility Id: 5179
State Id: Not reported

Fire District: Clinton Fire Department

Not reported Site Map: Site Coord Abbreviation: Not reported Date Signed: 02/24/2010 Date Modified: 02/20/2012 Dike Or Other Safeguard: Not reported Mailing Address: Not reported Mail City: Not reported Mail State: Not reported Mail Zip: Not reported 41.80123 Latitude: Longitude: -90.32167 Notes: Not reported

Report Year: 2012

Facility Id: FAIDSIT2A00005179

State Id: Not reported

Fire District: Clinton Fire Department Site Map: True

Site Coord Abbreviation: False Date Signed: 04/29/2013 Date Modified: 02/20/2012 Dike Or Other Safeguard: False Mailing Address: Not reported Mail City: Not reported Mail State: Not reported Mail Zip: Not reported Latitude: 41.80123 Longitude: -90.32167 Notes: Not reported

Report Year: 2010

Facility Id: FAIDSIT2A00005179
State Id: Not reported

Fire District: Clinton Fire Department

Site Map: False Site Coord Abbreviation: False

Date Signed: 2011-02-26T07:25:27

Date Modified: 3/30/2011
Dike Or Other Safeguard: False
Mailing Address: Not reported
Mail City: Not reported
Mail State: Not reported
Mail Zip: Not reported

Latitude: 41.801239000000002 Longitude: -90.321676999999994

Notes: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CLINTON COUNTY BIO ENERGY (Continued)

S110278509

1010563319

IAR000508945

RCRA NonGen / NLR

EDR ID Number

Report Year: 2009

Facility Id: FAIDSIT2A00005179

State Id: IA

Fire District: Clinton Fire Department

Site Map: False
Site Coord Abbreviation: False

Date Signed: 2010-02-24T15:05:10
Date Modified: 2010-02-24T15:03:12

Dike Or Other Safeguard:

Mailing Address:

Mail City:

Mail State:

Mail Zip:

False

Not reported

Not reported

Not reported

Not reported

Latitude: 41.801239000000002 Longitude: -90.321676999999994

Notes: Not reported

AC OLINITAL COUNTY DIO ENEDOY

A3 CLINTON COUNTY BIO ENERGY

SE 5640 44TH AVE S 1/4-1/2 CLINTON, IA 52732

0.466 mi.

2460 ft. Site 3 of 7 in cluster A

Relative: RCRA NonGen / NLR:

Lower Date form received by agency: 03/23/2015

Facility name: CLINTON COUNTY BIO ENERGY

Actual: Face 639 ft.

Facility address: 5640 44TH AVE S CLINTON, IA 52732

EPA ID: IAR000508945

Mailing address: 44TH AVE S

CLINTON, IA 52732

Contact: DAN L HOLESINGER

Contact address: 44TH AVE S

CLINTON, IA 52732

Contact country: US

Contact telephone: 563-522-2344

Telephone ext.: 102

Contact email: CCBE@CCBEBIODIESEL.COM

EPA Region: 07
Land type: Private
Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CLINTON COUNTY BIO ENERGY LLC

Owner/operator address: 44TH AVE S

CLINTON, IA, TX 52732

Owner/operator country: US

Owner/operator telephone: 563-522-2344
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/2009
Owner/Op end date: Not reported

Owner/operator name: CLINTON COUNTY BIO ENERGY LLC

Owner/operator address: 44TH AVE S

CLINTON, IA, 52732

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CLINTON COUNTY BIO ENERGY (Continued)

1010563319

Owner/operator country: US

Owner/operator telephone: 563-522-2344 Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 09/01/2009 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: Nο Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: Nο Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 01/17/2008

Site name: NOVA BIOFUELS - CLINTON COUNTY LLC

Classification: Small Quantity Generator

D001 Waste code:

Waste name: **IGNITABLE WASTE**

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/27/2013

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: **EPA**

NOVA BIOFUELS CLINTON COUNTY, LLC Α4

5640 44TH AVENUE SOUTH SE 1/4-1/2 CLINTON, IA 52732

0.466 mi.

2460 ft. Site 4 of 7 in cluster A

TIER 2: Relative:

Report Year: 2008 Lower

FAIDSIT2A00004956 Facility Id:

Actual: Not reported State Id: 639 ft.

Fire District: Clinton Fire Department

Site Map: True Site Coord Abbreviation: False Date Signed: 03/13/2009 Date Modified: 03/13/2009 Dike Or Other Safeguard: False

TIER 2 S109947407

N/A

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

NOVA BIOFUELS CLINTON COUNTY, LLC (Continued)

S109947407

Mailing Address: 614 Shipyard Road

Mail City: Seneca Mail State: IL Mail Zip: 61360 Latitude: 41.80123 Longitude: -90.3216 Notes: Not reported

Report Year: 2008

Facility Id: FAIDSIT2A00004956

State Id: IΑ

Fire District: Clinton Fire Department

Site Map: True Site Coord Abbreviation: False

Date Signed: 2009-03-13T15:51:54 Date Modified: 2009-03-13T15:51:15

Dike Or Other Safeguard: False

Mailing Address: 614 Shipyard Road

Mail City: Seneca Mail State: IL Mail Zip: 61360

Latitude: 41.801229999999997 Longitude: -90.321600000000004

Notes: Not reported

Α5 SPILLS S109252795 N/A

5640 44TH AVE S, CLINTON IA SE

1/4-1/2 0.466 mi.

2460 ft. Site 5 of 7 in cluster A

CLINTON, IA

SPILL: Relative:

Facility ID: 081508-MRH-1547 Lower

Reported Date: 08/15/2008

Actual: Reported Time: 3:47:00 PM 639 ft. Taken By: Mark Heiderscheit

Spill Date: 08/14/2008 Spill Time: 9:00:00 PM 6 hr Letter: No Continuous Release: No

Incident Location: Rural Incident Mode:

Handling And Storage Animal/Vegetable Product Incident Type:

Incident Medium Land: Not reported Not reported Incident Medium Water: Incident Medium Air: Not reported Field Office: Not reported Company Name: Not reported Company Address1: Not reported Company Address2: Not reported Company City/State/Zip: Not reported Company Phone: Not reported Company Fax No: Not reported Company Start Date: Not reported Company End Date: Not reported Company Contact Name: Not reported Contact Address1: Not reported Not reported Company Contact Address2:

Direction Distance

Elevation Site **EPA ID Number** Database(s)

(Continued) S109252795

Company Contact City/State/Zip: Not reported Company Contact Phone: Not reported Company Contact Fax No: Not reported Company Contact Start Date: Not reported Company Contact End Date: Not reported

Initial Instructions: Verbal reporting was discussed. Mr Hodge was informed that in the

> future they should report the spill immediately. He found the 24 hour spill number as we were talking. A written report was requested. On August 14, 2008 they discovered that there had been a leak of

~1000 gallons of edible grade beef tallow from a storage tank to the surrounding gravel. According to Mr Hodge, the leak was caused by a cam lock fitting that failed on July 17, 2008. Due to rain the beef tallow migrated to the retention basin; and to a nearby ditch. At the time of the call they had pumped down the 8000 gallon retention basin. The water is being held in a tanker and will be tested.

According to Mr Hodge, they have a company that will take the water with the tallow. They have also scraped the gravel on their property,

and have contacted Seneca to remediate the ditch.

CLINTON COUNTY BIO ENERGY A6

US AIRS 1009458007 SE **5640 44TH AVE S FINDS** N/A 1/4-1/2 CLINTON, IA 52732 **AIRS**

0.466 mi.

2460 ft. Site 6 of 7 in cluster A

Events:

US AIRS (AFS): Relative: Envid: Lower

1009458007 Region Code: 07

Actual: IA045 County Code: 639 ft.

Programmatic ID: AIR IA0000001904500228

Facility Registry ID: 110024825055 D and B Number: Not reported

Facility Site Name: **CLINTON COUNTY BIO ENERGY**

Primary SIC Code: 2869 NAICS Code: 325998 Default Air Classification Code: SMI Facility Type of Ownership Code: POF Air CMS Category Code: SMI Not reported HPV Status:

US AIRS (AFS):

Region Code: 07

AIR IA0000001904500228 Programmatic ID:

Facility Registry ID: 110024825055

Air Operating Status Code: **OPR** Default Air Classification Code: SMI

Air Program: New Source Performance Standards

Activity Date: 2007-08-21 00:00:00

Activity Status Date: Not reported

Activity Group: Compliance Monitoring Activity Type: Inspection/Evaluation **Activity Status:** Not reported

Region Code: 07

Programmatic ID: AIR IA000001904500228

Facility Registry ID: 110024825055

Air Operating Status Code: **OPR** Default Air Classification Code: SMI

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

CLINTON COUNTY BIO ENERGY (Continued)

1009458007

EDR ID Number

Air Program: New Source Performance Standards

Activity Date: 2007-09-28 00:00:00

Activity Status Date: Not reported

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 07

Programmatic ID: AIR IA0000001904500228

Facility Registry ID: 110024825055

Air Operating Status Code: OPR Default Air Classification Code: SMI

Air Program: New Source Performance Standards

Activity Date: 2011-05-16 00:00:00

Activity Status Date: Not reported

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Activity Status: Not reported

Region Code: 07

Programmatic ID: AIR IA0000001904500228

Facility Registry ID: 110024825055

Air Operating Status Code: OPR Default Air Classification Code: SMI

Air Program: New Source Performance Standards

Activity Date: 2011-10-20 00:00:00

Activity Status Date: Not reported

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Activity Status: Not reported

Region Code: 07

Programmatic ID: AIR IA0000001904500228

Facility Registry ID: 110024825055

Air Operating Status Code: OPR Default Air Classification Code: SMI

Air Program: New Source Performance Standards

Activity Date: 2011-05-16 00:00:00
Activity Status Date: 2011-05-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

Activity Status: Achieved

Region Code: 07

Programmatic ID: AIR IA0000001904500228

Facility Registry ID: 110024825055

Air Operating Status Code: OPR
Default Air Classification Code: SMI

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

Activity Date: 2007-08-21 00:00:00

Activity Status Date: Not reported

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 07

Programmatic ID: AIR IA0000001904500228

Direction Distance

Elevation Site Database(s) EPA ID Number

CLINTON COUNTY BIO ENERGY (Continued)

1009458007

EDR ID Number

Facility Registry ID: 110024825055

Air Operating Status Code: OPR
Default Air Classification Code: SMI

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

Activity Date: 2007-09-28 00:00:00

Activity Status Date: Not reported

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Notivity Clarace.

Region Code: 07

Programmatic ID: AIR IA0000001904500228

Facility Registry ID: 110024825055

Air Operating Status Code: OPR Default Air Classification Code: SMI

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

Activity Date: 2011-05-16 00:00:00

Activity Status Date: Not reported

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Activity Status: Not reported

Region Code: 07

Programmatic ID: AIR IA0000001904500228

Facility Registry ID: 110024825055

Air Operating Status Code: OPR Default Air Classification Code: SMI

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

Activity Date: 2011-10-20 00:00:00

Activity Status Date: Not reported

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Activity Status: Not reported

Region Code: 07

Programmatic ID: AIR IA0000001904500228

Facility Registry ID: 110024825055

Air Operating Status Code: OPR Default Air Classification Code: SMI

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

Activity Date: 2011-05-16 00:00:00
Activity Status Date: 2011-05-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

Activity Status: Achieved

FINDS:

Registry ID: 110024825055

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CLINTON COUNTY BIO ENERGY (Continued)

1009458007

used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

TSCA SUBMITTER

AIR SYNTHETIC MINOR

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

AIRS:

23-01-067 Facility Number: Status: Minor Closed?: No Region: East

Mr. Nathan Baker Contact Name: Contact Phone: (563) 522-2344 Facility Contact Phone: Not reported 5640 44TH AVE S Mailing Address: Mailing Address 2: Not reported Mailing City, St, Zip: CLINTON, IA 52732-

SIC Primary: Not reported **NAICS Primary:** Not reported

DAHLEN TRANSPORT INC- FORMER SITE OF

6408 44TH AVE S CLINTON, IA 52732

1/4-1/2 0.484 mi.

2556 ft. Site 7 of 7 in cluster A

RCRA NonGen / NLR: Relative:

Date form received by agency: 05/26/1999 Lower

DAHLEN TRANSPORT INC- FORMER SITE OF Facility name: Actual: Facility address: 6408 44TH AVE S

633 ft.

Α7

SE

CLINTON, IA 52732

EPA ID: IAD981714710 Mailing address: 44TH AVE S

CLINTON, IA 52732

Contact: Not reported Contact address: Not reported Not reported

Contact country: US

Contact telephone: Not reported Contact email: Not reported

EPA Region: Land type: Private Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No 1000742599

IAD981714710

RCRA NonGen / NLR

FINDS

Direction Distance

Elevation Site Database(s) EPA ID Number

DAHLEN TRANSPORT INC- FORMER SITE OF (Continued)

1000742599

EDR ID Number

Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: Nο User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: UOIL
Waste name: UOIL

Historical Generators:

Date form received by agency: 06/11/1998

Site name: DAHLEN TRANSPORT INC- FORMER SITE OF

Classification: Not a generator, verified

Date form received by agency: 06/16/1994

Site name: DAHLEN TRANSPORT INC- FORMER SITE OF

Classification: Small Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

Facility Has Received Notices of Violations:

Regulation violated:

Not reported

Area of violation: Used Oil - Generators

Date violation determined: 06/11/1998
Date achieved compliance: 01/19/1999
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 01/19/1999

Enf. disposition status: Action Satisfied (Case Closed)

Enf. disp. status date: 01/19/1999
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Not reported

Regulation violated: FR - CFR 279.22(c)(1)
Area of violation: Generators - General

Date violation determined: 06/11/1998
Date achieved compliance: 01/19/1999
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 01/19/1999

Enf. disposition status: Action Satisfied (Case Closed)

Enf. disp. status date: 01/19/1999
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

DAHLEN TRANSPORT INC- FORMER SITE OF (Continued)

1000742599

EDR ID Number

Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/04/2002

Evaluation: FOLLOW-UP INSPECTION

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 05/25/1999

Evaluation: COMPLIANCE ASSISTANCE VISIT

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 06/11/1998

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: Generators - General

Date achieved compliance: 01/19/1999

Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 06/11/1998

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: Used Oil - Generators

Date achieved compliance: 01/19/1999

Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 06/16/1994

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA Contractor/Grantee

FINDS:

Registry ID: 110005758910

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

8 DAHLEN TRANSPORT INC SE 6444 44TH AVE S

1/2-1 CLINTON, IA 52732

0.535 mi. 2823 ft.

Relative: LUST:

Lower Facility ID: 3834

Actual: Occur Date: Not reported
635 ft. Discover Date: Not reported
Discover Time: Not reported
Not reported
10/17/1990
Not reported

1011266326

N/A

LUST

UST

FINDS

Direction Distance

Elevation Site Database(s) EPA ID Number

DAHLEN TRANSPORT INC (Continued)

1011266326

EDR ID Number

Record Date: 10/31/1990 Leak Number: 8LTE69 Loc ID: 66251 Ust ID: 8492 Latitude: 41.80165 Longitude: -90.34116 11/13/1990 Start Date: Spill Date: Not reported Date Occurred Time: Not reported

5

Coordinator ID: 11 Staff ID: 11 Discover Method ID: 5 Leak Status: Unknown Tanks Removed: Not reported Created Date: 01/08/2007 Created By: migration 01/08/2007 Last Changed: Changed By: migration

Lust Status:

Lead ID:

ID: 3835
Site Leak Number: 8LTE69
Discovered During: Other
Tanks Removed: 0
Leak Cause: UNK
Gas: Not reported

Diesel: Yes
Oil: Yes

Kerosene: Not reported Released Fuel Oil: Not reported Released Hydraulic Oil: Not reported

Released Other Petroleum: Yes

Released Unknown: Not reported Released Non Petroleum Chemical: Not reported 00000000000 Gallons Released: Leak Status: Unknown Loc Soil: Yes Loc Ground Water: Not reported Not reported Loc Surface Water: Loc Water Supply: Not reported Res Public Water Supply: Not reported Resources Water Well: Not reported

Res Actual Drinking WW: Not reported Res Non-Drink WW: Not reported Res Soil: Not reported Res Ground Water: Not reported Res Surface Water: Not reported Res Toxic Vapor: Not reported Res Explosive Vapor: Not reported Not reported Res Other: Not reported Res Impacted Soil: Res Impacted Ground Water: Not reported Not reported Res Impacted Water Well: Not reported Res Impacted Pub Water Supply: Res Impacted Surface Water: Not reported Res Impacted Toxic Vapor: Not reported

Not reported

Res Impacted Explosive Vapor:

Direction Distance Elevation

tion Site Database(s) EPA ID Number

DAHLEN TRANSPORT INC (Continued)

1011266326

EDR ID Number

Res Impacted Other: Not reported Res Impacted Drinking WW: Not reported Res Impacted Non-Drink WW: Not reported Res Impacted Potential Non Drink WW: Not reported Officials Onsite Health: Not reported Officials Onsite Fire: Not reported Officials Onsite Law: Not reported Officials Onsite Civil: Not reported Officials Onsite None: Yes

Officials Onsite Unknown:
Officials Onsite Unknown:
Not reported
Officials Onsite Other:
Not reported
AST:
Not reported
UST/LUST Other:
Not reported
Pelete:
False
Status Memo:
Not reported

Lust Cause:

Release Cause: Unknown

Lust Misc:

Misc Due Date: 04/08/1991 Misc Rec Date: 08/15/1991
Misc Other: Not reported Misc Title: Not reported

False

Lust Remediation: Heat Treatment:

> Land Application: False On Site: False Achieved Over-Excavation: False Soil Venting Passive: False Soil Venting Active: False BioRemediation Passive: False BioRemediation Active: False In Situ GW Treatment - Air Sparging: False Ground Water: False Fresh Water: False IGT - pH Adjustment: False Nutrient: False Oxygen: False Biological: False Permit Date: Not reported False Surface Treatment - Carbon Absorption: False Biological: False ST Other: False TDT Sanitary Sewer: False TDT Storm Sewer: False Stream: False TDT Other: False Reduced Risk Plugged Well: False RR Replace: False RR Relocate: False RR Other: False Delete: False Rem Memo: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

Not reported

DAHLEN TRANSPORT INC (Continued)

1011266326

EDR ID Number

Lust Tier 2 Report:

T2 Assesment Due:
Not reported
T2 Received:
11/25/1998
T2 Accepted:
01/13/1999
T2 Rejected:
Not reported
T2 Reviewed:
Not reported

Lust Administration:

ID: 3835
Owner Identified: Yes
Responsible Party Found: Yes
RP Date: 11/13/1990
Owner Broke: No

ER Date: Not reported Cost Recovery Start Dt: Not reported CR Notice of Intent Dt: Not reported CR Appeal of NOI Dt: Not reported CR Final Decision Dt: Not reported CR EP Comm Lien Approval Dt: Not reported CR Lien: Not reported CR Ten Yr Renewal Dt: Not reported CR Lien Named: False CR Remediation: Not reported Delete: False CR Amnt Received: Not reported CR End Date: Not reported

Lust Track:

Memo:

3835 Site Assesment Start Date: 02/07/1991 Free Product Recvry End Date: Not reported FP Letter Sent Date: Not reported Not reported FP Report Frequency: Assesment Report Due: Not reported Assesment Report Received: Not reported Assesment Report Approved: Not reported Not reported Achieved Over-Excavation: Release Not Verified Date: Not reported Ref to Contaminated Site Section: Not reported Cleanup Start Date: 1993-08-02 Cleanup Complete Date: 1999-01-13 Cleanup Report Due Date: Not reported Cleanup Report Received Date: Not reported Cleanup Report Approved Date: Not reported Check Report Due Date: Not reported Check Report Received Date: Not reported Check Report Rejected Date: Not reported Check Report Approved Date: Not reported Date Classified: 1999-01-13 Risk Classification -NFA: True Class - Low Risk: False

Lust Current: No Action Required

False

Tier 1 Consultant Recommends: Not reported T1 Actual GW Ingestion: False

-

Class - High Risk:

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

DAHLEN TRANSPORT INC (Continued)

1011266326

T1 Poten GW Ingestion from Protected GW: False T1 Poten GW Ingestion from Protected GW: False T1 GW Vapor to Enclosed Space: False T1 GW to Plastic Water Line: False T1 Surface Water: False T1 Soil Leaching to GW: False T1 Soil Vapor to Enclosed Space: False T1 Soil to Plastic Line: False Tier 2 Consultant Recommends: NFA T2 Actual GW Ingestion: NFA T2 Poten GW Ingestion from Protected GW: NFA T2 Poten GW Ingestion from Protected GW: NFA T2 GW Vapor to Enclosed Space: NFA T2 GW to Plastic Water Line: NFA T2 SW General Use: NFA T2 SW Designated Use: NFA T2 Soil Leaching to GW: NFA T2 Soil Vapor to Enclosed Space: NFA T2 Soil to Plastic Line: NFA Institutional Control Obtained: False NFA Certificate Sent: Not reported No Action Required: **False** Priority Ranking:

Delete: False

02/01/91: CONFIRMATION LETTER SENT. REC'D 2/7/91. RPT DUE Track Memo: 4/8/91.08/15/91: RPT REC'D.10/31/91: REV OF RPT. GW CONT. HOLD LTR SENT.05/27/92: SCR LTR SENT. 1299992: TIME EXT

FROM DAHL. SCR DUE 3/30/93.04/26/93: REC'D SCR-DAHL CONSULTING.08/02/93: SCR ACCEPTD, HIGH RISK, CADR DUE 10/2/93, & LINGLE WATER SAMPLE.03/17/94: RP RECD OD LTR FOR

CADR-DUE 4/17/94.04/01/94: TE FOR CADR TILL

6/25/94.07/27/94: RQST FOR TE NOT GRANTED. EXPECT CADR BY 9/30/94.10/04/94: RECD CADR.12/05/94: CADR OK FOR OE, STSR DUE 3/5/94. 2ND LUST # FOR PROPERTY: 9LTA52.03/14/96: OD LTR SENT, RESPONSE DUE 2/96.07/02/97: RECD COPY OF SIGNED

BUDGET FOR T1/T2.11/25/98: RCVD T2 RPT. RQSTNG NAR.

Facility ID: 3833 Spill Number: Not reported Occur Date: Not reported Discover Date: 10/31/1994 Discover Time: Not reported 11/22/1994 Record Date: 9LTA52 Leak Number: Loc ID: 66252 Ust ID: 8492 Latitude: 41.80201 Longitude: -90.34102 Start Date: 11/28/1994 Spill Date: Not reported Date Occurred Time: Not reported

Lead ID: 5 Coordinator ID: 11 Staff ID: 11 Discover Method ID: 3 Leak Status: Stopped

Distance Elevation Site

ite Database(s) EPA ID Number

DAHLEN TRANSPORT INC (Continued)

1011266326

EDR ID Number

Tanks Removed: Not reported Created Date: 01/08/2007 Created By: migration Last Changed: 01/08/2007 Changed By: migration

Lust Status:

ID: 3834
Site Leak Number: 9LTA52
Discovered During: Removal
Tanks Removed: 01
Leak Cause: UNK

Gas: Not reported

Diesel: Yes

Oil: Not reported Kerosene: Not reported Not reported Released Fuel Oil: Released Hydraulic Oil: Not reported Released Other Petroleum: Not reported Released Unknown: Not reported Released Non_Petroleum Chemical: Not reported Gallons Released: Not reported Leak Status: Stopped Loc Soil: Yes

Loc Ground Water: Not reported Loc Surface Water: Not reported Loc Water Supply: Not reported Res Public Water Supply: Not reported Resources Water Well: Not reported Res Actual Drinking WW: Not reported Res Non-Drink WW: Not reported Res Soil: Not reported Res Ground Water: Not reported Res Surface Water: Not reported Res Toxic Vapor: Not reported Res Explosive Vapor: Not reported Res Other: Not reported Res Impacted Soil: Not reported Res Impacted Ground Water: Not reported Res Impacted Water Well: Not reported Res Impacted Pub Water Supply: Not reported Res Impacted Surface Water: Not reported Res Impacted Toxic Vapor: Not reported Res Impacted Explosive Vapor: Not reported Res Impacted Other: Not reported Res Impacted Drinking WW: Not reported Res Impacted Non-Drink WW: Not reported Res Impacted Potential Non Drink WW: Not reported Officials Onsite Health: Not reported Officials Onsite Fire: Not reported Officials Onsite Law: Not reported Not reported Officials Onsite Civil: Officials Onsite None: Not reported Not reported Officials Onsite Unknown: Not reported Officials Onsite Other: AST: Not reported UST/LUST Other: Not reported Delete: False

Direction Distance Elevation

nce EDR ID Number tion Site Database(s) EPA ID Number

DAHLEN TRANSPORT INC (Continued)

1011266326

Status Memo: Not reported

Lust Cause:

Release Cause: Unknown

Lust Misc:

Misc Due Date: Not reported Misc Rec Date: Not reported Misc Other: Not reported Misc Title: Not reported

False

False

False False

Not reported

Lust Remediation:

Heat Treatment: False Land Application: False On Site: False Achieved Over-Excavation: False Soil Venting Passive: False Soil Venting Active: False BioRemediation Passive: False BioRemediation Active: False In Situ GW Treatment - Air Sparging: False Ground Water: False Fresh Water: False IGT - pH Adjustment: False Nutrient: False Oxygen: False Biological: False Permit Date: Not reported Other: False Surface Treatment - Carbon Absorption: False False Biological: ST Other: False TDT Sanitary Sewer: False TDT Storm Sewer: False Stream: False False TDT Other: Reduced Risk Plugged Well: False

Lust Administration:

RR Replace:

RR Relocate:

RR Other:

Delete: Rem Memo:

3834 ID: Owner Identified: Yes Responsible Party Found: Yes 11/28/1994 RP Date: Owner Broke: No ER Date: Not reported Cost Recovery Start Dt: Not reported CR Notice of Intent Dt: Not reported CR Appeal of NOI Dt: Not reported CR Final Decision Dt: Not reported CR EP Comm Lien Approval Dt: Not reported Not reported CR Lien: CR Ten Yr Renewal Dt: Not reported

Distance Elevation Site

ite Database(s) EPA ID Number

DAHLEN TRANSPORT INC (Continued)

1011266326

EDR ID Number

CR Lien Named: False
CR Remediation: Not reported
Delete: False
CR Amnt Received: Not reported
CR End Date: Not reported
Memo: Not reported

Lust Track:

ID: 3834 Site Assesment Start Date: 12/05/1994 Free Product Recvry End Date: Not reported Not reported FP Letter Sent Date: Not reported FP Report Frequency: Assesment Report Due: Not reported Not reported Assesment Report Received: Assesment Report Approved: Not reported Achieved Over-Excavation: Not reported Release Not Verified Date: Not reported Ref to Contaminated Site Section: Not reported Cleanup Start Date: 1996-03-14 Cleanup Complete Date: 1996-03-14 Cleanup Report Due Date: 1995-06-05 Cleanup Report Received Date: 1995-09-20 Cleanup Report Approved Date: 1996-03-14 Check Report Due Date: Not reported Check Report Received Date: Not reported Check Report Rejected Date: Not reported Check Report Approved Date: Not reported Date Classified: 1996-03-14 Risk Classification -NFA: True Class - Low Risk: False Class - High Risk: False

Lust Current: No Action Required

Tier 1 Consultant Recommends: Not reported T1 Actual GW Ingestion: False T1 Poten GW Ingestion from Protected GW: False T1 Poten GW Ingestion from Protected GW: False T1 GW Vapor to Enclosed Space: False T1 GW to Plastic Water Line: False T1 Surface Water: False T1 Soil Leaching to GW: False T1 Soil Vapor to Enclosed Space: False T1 Soil to Plastic Line: False Tier 2 Consultant Recommends: Not reported T2 Actual GW Ingestion: Not reported T2 Poten GW Ingestion from Protected GW: Not reported T2 Poten GW Ingestion from Protected GW: Not reported T2 GW Vapor to Enclosed Space: Not reported T2 GW to Plastic Water Line: Not reported T2 SW General Use: Not reported T2 SW Designated Use: Not reported T2 Soil Leaching to GW: Not reported T2 Soil Vapor to Enclosed Space: Not reported Not reported T2 Soil to Plastic Line: Institutional Control Obtained: False NFA Certificate Sent: 1996-09-23 No Action Required: **False**

Direction Distance Elevation

evation Site Database(s) EPA ID Number

DAHLEN TRANSPORT INC (Continued)

1011266326

EDR ID Number

Priority Ranking: Not reported Delete: False

6

Track Memo: 12/05/94: SENT SCR LTR W/ OE OPTION--CHOICE DUE

12/15/94.03/14/96: SCR REV'D: HI-#8. NO MONITORING REQ'D,

NFA CERTIFICATE AVAILABLE.

UST:

Facility Id: 8492 Loc Id: 8492 Registration: 198608283

Owner Type:

Financial Code: Not reported Insurer's Name: Not reported Policy Number: Not reported Policy Start Date: Not reported Policy End Date: Not reported 04/29/1986 Registration Sign Date: migration Created By: Created Date: 01/08/2007 Changed By: migration Last Changed: 01/08/2007 Latitude: 41.80201 Longitude: -90.34102

Tank Info:

 Tank Num:
 24975

 In Use:
 False

 Tank Type:
 1

Tank Brand Id: Not reported Inert Material Id: Not reported Filled In Place: Not reported Material Construction: Double Wall Steel Emergency Power Gen: Not reported

 Tank Num:
 24976

 In Use:
 False

 Tank Type:
 1

Tank Brand Id: Not reported Inert Material Id: Not reported Filled In Place: True

Material Construction: Double Wall Steel Emergency Power Gen: Not reported

 Tank Num:
 24977

 In Use:
 False

 Tank Type:
 1

Tank Brand Id: Not reported Inert Material Id: Not reported Filled In Place: True

Material Construction: Double Wall Steel Emergency Power Gen: Not reported

 Tank Num:
 24978

 In Use:
 False

 Tank Type:
 1

Tank Brand Id: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

DAHLEN TRANSPORT INC (Continued)

1011266326

EDR ID Number

Inert Material Id: Not reported Filled In Place: True

Double Wall Steel Material Construction: Emergency Power Gen: Not reported

FINDS:

Registry ID: 110036163415

Environmental Interest/Information System

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

LOW MOOR WWTP FINDS 1016353038 wsw **260TH ST** N/A

1/2-1 LOW MOOR, IA 52757

0.847 mi. 4474 ft.

FINDS: Relative:

Lower

110039697432 Registry ID:

Actual: 632 ft. Environmental Interest/Information System

> IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

B10 SPILLS \$108782279 N/A

052407-MRH-2242

NW **HWY 30 & LIBERTYVILLE. CLINTON, IA**

1/2-1 CLINTON, IA

0.911 mi.

Site 1 of 2 in cluster B 4812 ft.

Relative:

SPILL:

Facility ID: Lower

Actual: 663 ft.

Reported Date: 05/24/2007 Reported Time: 10:42:00 PM Mark Heiderscheit Taken By: Spill Date: 05/24/2007 Spill Time: 10:15:00 PM

6 hr Letter: No Continuous Release: No Incident Location: Rural Incident Mode: **RR** Incident

Incident Type: Animal/Vegetable Product

Incident Medium Land: Not reported Incident Medium Water: Not reported Not reported Incident Medium Air: Field Office: Not reported Company Name: Not reported Company Address1: Not reported Company Address2: Not reported Not reported Company City/State/Zip:

Direction Distance

Elevation Site Database(s) EPA ID Number

(Continued) S108782279

Company Phone: Not reported Company Fax No: Not reported Company Start Date: Not reported Company End Date: Not reported Company Contact Name: Not reported Contact Address1: Not reported Company Contact Address2: Not reported Company Contact City/State/Zip: Not reported Company Contact Phone: Not reported Company Contact Fax No: Not reported Company Contact Start Date: Not reported Company Contact End Date: Not reported Initial Instructions: NONE

Events: IT WAS REPORTED BY MS. MARTINEZ THAT THE CAUSE OF THE DERAILMENT WAS

A PICK SWITCH. NO OTHER DETAILS WERE PROVIDED. MS. MARTINEZ REPORTED THAT LINE #2 HAD BEEN CLEANED UP AND REOPENED AT ~0300. MAIN LINE #1 WAS ESTIMATED TO BE CLEANED AND BACK ONLINE AT ~0700. SHE DIDN'T KNOW IF THE WORK HAD BEEN COMPLETED. A WRITTEN REPORT WAS REQUESTED. HOWEVER, MS. MARTINEZ INDICATED THAT THEY COULD NOT RELEASE THAT

INFORMATION.

B11 SPILLS S108544073

NW HIGHWAY 30 1/2-1 CLINTON, IA

0.911 mi.

4812 ft. Site 2 of 2 in cluster B

Relative: SPILL:

Lower Facility ID: 032307-RDS-1708

 Actual:
 Reported Date:
 03/23/2007

 Actual:
 Reported Time:
 5:08:00 PM

 663 ft.
 Taken By:
 Ryan Stouder

 Spill Date:
 02/26/2007

 Spill Time:
 1:00:00 AM

Company Contact Start Date:

6 hr Letter: No
Continuous Release: No
Incident Location: Urban

Incident Mode: Handling And Storage Incident Type: Other Chemical Incident Medium Land: Not reported Incident Medium Water: Not reported Incident Medium Air: Not reported Field Office: Not reported Company Name: Not reported Company Address1: Not reported Company Address2: Not reported Company City/State/Zip: Not reported Company Phone: Not reported Company Fax No: Not reported Company Start Date: Not reported Company End Date: Not reported Company Contact Name: Not reported Contact Address1: Not reported Company Contact Address2: Not reported Company Contact City/State/Zip: Not reported Company Contact Phone: Not reported Company Contact Fax No: Not reported

Not reported

N/A

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

(Continued) S108544073

Company Contact End Date: Not reported Initial Instructions: Not reported

Events: After preforming calculations it was determined that the Federal RQ

was exceeded for Butadiene and Benzene during maintenance on a high

pressure relief valve. Materials released from the flare.

12 C & J SERVICE CO LUST 1000120500 WSW 101 3RD ST UST IAD051000438

> 1 LOW MOOR, IA 52757 RCRA NonGen / NLR
1.316 mi. FINDS
6947 ft. Financial Assurance

2776

Relative: LUST: Lower Facility ID:

Lower

Actual:

644 ft.

Spill Number: Not reported
Occur Date: Not reported
Discover Date: 08/29/1990
Discover Time: 2:00 PM
Record Date: 08/29/1990

 Record Date:
 08/29/1990

 Leak Number:
 7LTS75

 Loc ID:
 65132

 Ust ID:
 6415

 Latitude:
 41.80203

 Longitude:
 -90.35722

 Start Date:
 08/31/1990

 Spill Date:
 Not reported

 Date Occurred Time:
 UNK

 Lead ID:
 4

 Coordinator ID:
 11

 Staff ID:
 11

 Discover Method ID:
 5

Leak Status: Unknown
Tanks Removed: Not reported
Created Date: 01/08/2007
Created By: migration
Last Changed: 01/08/2007
Changed By: migration

Lust Status:

 ID:
 2777

 Site Leak Number:
 7LTS75

 Discovered During:
 Other

 Tanks Removed:
 0

 Leak Cause:
 UNK

 Gas:
 Yes

 Diesel:
 Yes

Oil: Not reported Kerosene: Not reported Released Fuel Oil: Not reported Released Hydraulic Oil: Not reported Released Other Petroleum: Not reported Not reported Released Unknown: Released Non_Petroleum Chemical: Not reported 00000000000 Gallons Released: Leak Status: Unknown Loc Soil: Yes Loc Ground Water: Yes

Loc Surface Water: Not reported

EDR ID Number

Direction Distance Elevation

Site Database(s) **EPA ID Number**

C & J SERVICE CO (Continued)

1000120500

EDR ID Number

Loc Water Supply: Not reported Not reported Res Public Water Supply: Resources Water Well: Not reported Res Actual Drinking WW: Not reported Res Non-Drink WW: Not reported Not reported Res Soil: Res Ground Water: Not reported Not reported Res Surface Water: Res Toxic Vapor: Not reported Res Explosive Vapor: Not reported Res Other: Not reported Res Impacted Soil: Not reported Res Impacted Ground Water: Not reported Res Impacted Water Well: Not reported Res Impacted Pub Water Supply: Not reported Res Impacted Surface Water: Not reported Res Impacted Toxic Vapor: Not reported Res Impacted Explosive Vapor: Not reported Res Impacted Other: Not reported Res Impacted Drinking WW: Not reported Res Impacted Non-Drink WW: Not reported Res Impacted Potential Non Drink WW: Not reported Not reported Officials Onsite Health: Officials Onsite Fire: Not reported Not reported Officials Onsite Law: Officials Onsite Civil: Not reported Officials Onsite None: Yes Officials Onsite Unknown: Not reported Officials Onsite Other: Not reported AST: Not reported

UST/LUST Other: Not reported Delete: False

Status Memo: Not reported

Lust Cause:

Release Cause: Unknown

Lust Misc:

Misc Due Date: 12/04/1990 Misc Rec Date: 01/22/1991 Misc Other: Not reported Misc Title: Not reported

Lust Remediation:

Heat Treatment: False Land Application: False On Site: False Achieved Over-Excavation: False Soil Venting Passive: False Soil Venting Active: False BioRemediation Passive: False BioRemediation Active: False In Situ GW Treatment - Air Sparging: False Ground Water: False Fresh Water: False IGT - pH Adjustment: False Nutrient: False Oxygen: False

Direction
Distance
Elevation

Site Database(s) EPA ID Number

C & J SERVICE CO (Continued)

1000120500

EDR ID Number

Biological: False Permit Date: Not reported Other: False Surface Treatment - Carbon Absorption: False Biological: False ST Other: False TDT Sanitary Sewer: False TDT Storm Sewer: False Stream: False TDT Other: False Reduced Risk Plugged Well: False RR Replace: False RR Relocate: False RR Other: False Delete: False Rem Memo: Not reported

Lust Administration:

ID: 2777
Owner Identified: Yes
Responsible Party Found: Yes
RP Date: 08/31/1990
Owner Broke: Yes

ER Date: Not reported Cost Recovery Start Dt: Not reported CR Notice of Intent Dt: Not reported CR Appeal of NOI Dt: Not reported CR Final Decision Dt: Not reported CR EP Comm Lien Approval Dt: Not reported CR Lien: Not reported CR Ten Yr Renewal Dt: Not reported CR Lien Named: False CR Remediation: Not reported Delete: False CR Amnt Received: Not reported CR End Date: Not reported Memo: Not reported

Lust Track:

2777 ID: Site Assesment Start Date: 10/05/1990 Free Product Recvry End Date: Not reported Not reported FP Letter Sent Date: FP Report Frequency: Not reported Assesment Report Due: Not reported Assesment Report Received: Not reported Assesment Report Approved: Not reported Achieved Over-Excavation: Not reported 1991-05-22 Release Not Verified Date: Ref to Contaminated Site Section: Not reported Cleanup Start Date: Not reported Cleanup Complete Date: Not reported Cleanup Report Due Date: Not reported Cleanup Report Received Date: Not reported Cleanup Report Approved Date: Not reported Check Report Due Date: Not reported

MAP FINDINGS Map ID Direction

Distance Elevation Site Database(s)

EDR ID Number

EPA ID Number

1000120500

C & J SERVICE CO (Continued)

Check Report Received Date: Not reported Not reported Check Report Rejected Date: Check Report Approved Date: Not reported Date Classified: 1991-05-22 Risk Classification -NFA: True

Class - Low Risk: False Class - High Risk: False

Lust Current: No Action Required

Tier 1 Consultant Recommends: Not reported T1 Actual GW Ingestion: False T1 Poten GW Ingestion from Protected GW: False T1 Poten GW Ingestion from Protected GW: False T1 GW Vapor to Enclosed Space: False T1 GW to Plastic Water Line: False T1 Surface Water: False T1 Soil Leaching to GW: False T1 Soil Vapor to Enclosed Space: False T1 Soil to Plastic Line: False Tier 2 Consultant Recommends: Not reported T2 Actual GW Ingestion: Not reported T2 Poten GW Ingestion from Protected GW: Not reported Not reported T2 Poten GW Ingestion from Protected GW: Not reported T2 GW Vapor to Enclosed Space: T2 GW to Plastic Water Line: Not reported T2 SW General Use: Not reported T2 SW Designated Use: Not reported T2 Soil Leaching to GW: Not reported T2 Soil Vapor to Enclosed Space: Not reported T2 Soil to Plastic Line: Not reported

Institutional Control Obtained: False NFA Certificate Sent: Not reported No Action Required: **False** Priority Ranking: Not reported Delete: False

10/03/90: CONFIRMATION LETTER SENT. REC'D 10/5/90. REPORT Track Memo:

DUE 12/4/90.01/22/91: REC'D REPORT.05/22/91: REVIEWED SAMPLING REPORT.05/28/91: 'NO FURTHER ACTION' LTR SNT.

REC'D 5/30/91.

UST:

Facility Id: 6415 Loc Id: 6415 198606088 Registration:

Owner Type: 6 Financial Code: 15 Insurer's Name: **PMMIC** 8606088 Policy Number: 12/04/2014 Policy Start Date: Policy End Date: 12/03/2015 Registration Sign Date: 03/07/1986 Created By: migration Created Date: 01/08/2007

Changed By: Kock-Niedermayer.Lisa

Last Changed: 01/16/2014 Latitude: 41.80203 Longitude: -90.35722

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

C & J SERVICE CO (Continued)

1000120500

Tank Info:

17691 Tank Num: In Use: True Tank Type:

Tank Brand Id: Not reported Not reported Inert Material Id: Not reported Filled In Place: Double Wall Steel Material Construction: Emergency Power Gen: Not reported

Tank Num: 17692 In Use: True Tank Type: 1

Tank Brand Id: Not reported Inert Material Id: Not reported Not reported Filled In Place: Material Construction: **Double Wall Steel** Emergency Power Gen: Not reported

17693 Tank Num: In Use: True Tank Type:

Tank Brand Id: Not reported Not reported Inert Material Id: Not reported Filled In Place: Material Construction: Double Wall Steel Emergency Power Gen: Not reported

RCRA NonGen / NLR:

Date form received by agency: 09/25/2000

Facility name: C & J SERVICE CO Facility address: 101 3RD ST

LOW MOOR, IA 52757

EPA ID: IAD051000438 Mailing address: PO BOX 90

LOW MOOR, IA 52757

RICK MCCULLOH Contact:

Contact address: PO BOX 90

LOW MOOR, IA 52757

Contact country: US

Contact telephone: (319) 522-2961 Contact email: Not reported EPA Region: 07 Land type: Private Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: C & J SERVICE CO Owner/operator address: 6TH AVE BOX 198

DE WITT, IA 52742

Not reported Owner/operator country: (319) 659-5145 Owner/operator telephone: Legal status: Private Owner/Operator Type: Owner

Direction Distance Elevation

vation Site Database(s) EPA ID Number

C & J SERVICE CO (Continued)

1000120500

EDR ID Number

Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: Nο Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

. Waste code: NONE . Waste name: None

Historical Generators:

Date form received by agency: 04/01/1997

Site name: C & J SERVICE CO

Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

Waste code: UOIL
Waste name: UOIL

Date form received by agency: 06/18/1994

Site name: C & J SERVICE CO
Classification: Not a generator, verified

Facility Has Received Notices of Violations:

Regulation violated: FR - CFR 279.24
Area of violation: Generators - General

Date violation determined: 04/01/1997
Date achieved compliance: 05/07/1997
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/15/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - CFR 261.4(b)(13)
Area of violation: Generators - General

Date violation determined: 04/01/1997

Direction Distance

Elevation Site Database(s) EPA ID Number

C & J SERVICE CO (Continued)

1000120500

EDR ID Number

Date achieved compliance: 05/07/1997 Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/15/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - CFR 262.11
Area of violation: Generators - General

Date violation determined: 07/12/1995
Date achieved compliance: 05/07/1997
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/25/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - CFR 279.11
Area of violation: Generators - General

Date violation determined: 07/12/1995
Date achieved compliance: 05/07/1997
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/25/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/01/1997

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: Generators - General

Date achieved compliance: 05/07/1997 Evaluation lead agency: EPA

Evaluation date: 07/12/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 05/07/1997 Evaluation lead agency: EPA

Evaluation date: 06/17/1994

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA Contractor/Grantee

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

C & J SERVICE CO (Continued)

1000120500

FINDS:

Registry ID: 110000510484

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

IA Financial Assurance 1:

Facility ID: 198606088 Insurers Name: **PMMIC** Policy End Date: 12/03/2015 Site Status: Not reported Financial Code: 15 Policy Number: 8606088 12/04/2014 Policy Start Date:

13 **CHEMPLEX CO II HAWKEYE RD S OF HWY 30W ESE** > 1

CLINTON, IA 52732 1.322 mi. 6978 ft.

Relative: Lower

CERCLIS: Site ID:

0702615 Actual: EPA ID: IAD984600312 620 ft. Facility County: CLINTON Short Name: CHEMPLEX CO II

Congressional District: 01 IFMS ID: 07JK SMSA Number: Not reported USGC Hydro Unit: 07080101

Not a Federal Facility Federal Facility:

DMNSN Number: 0.00000 Site Orphan Flag: Ν RCRA ID:

USGS Quadrangle: Not reported Site Init By Prog: Not reported NFRAP Flag: Not reported Parent ID: 0700157 RST Code: Not reported

EPA Region: 07 Landfill Classification:

CERCLIS

ROD

PRP ICIS

US ENG CONTROLS

US INST CONTROL

1004654624

IAD984600312

Direction Distance

Elevation Site Database(s) EPA ID Number

CHEMPLEX CO II (Continued)

1004654624

EDR ID Number

Site Settings Code: Not reported

NPL Status: Site is Part of NPL Site

DMNSN Unit Code: Not reported RBRAC Code: Not reported RResp Fed Agency Code: Not reported Non NPL Status: Not reported

Non NPL Status Date: //
Site Fips Code: 19045
CC Concurrence Date: //

CC Concurrence FY: Not reported Alias EPA ID: Not reported Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

 Contact ID:
 7000130.00000

 Contact Name:
 NANCY SWYERS

 Contact Tel:
 (913) 551-7703

Contact Title: Remedial Project Manager (RPM)

Contact Email: Not reported

 Contact ID:
 7271367.00000

 Contact Name:
 BECKIE HIMES

 Contact Tel:
 (913) 551-7253

Contact Title: Community Involvement Coordinator

Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101

Alias Name: CHEMPLEX CO. (SITE ID 0700157)

Alias Address: Not reported

IΑ

Alias ID: 201

Alias Name: NORTHERN PETRO CHEMICAL CO

Alias Address: Not reported

IΑ

Alias Comments: Not reported

Site Description: MFG & CLOSED LDF RECEIVED SOLID/SEMI SOLID PROCESSED WASTES. POLISHING BASIN

CLAY LINER WAS BREACHED & EFF1 WAS RELEASED. PRIVATE PARTY FUNDED & IMPLEMENTED REMEDIAL ACTION ON SOURCE CONTROL. Site is part of the Chemplex

Co. Site (IAD045372836).

CERCLIS Assessment History:

Action Code: 001

Action: PRELIMINARY ASSESSMENT

Date Started: // Date Completed: 02/12/80

Priority Level: Low priority for further assessment Operable Unit: SITE EVALUATION/DISPOSITION

Primary Responsibility: EPA Fund-Financed

Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Direction Distance

Elevation Site Database(s) EPA ID Number

CHEMPLEX CO II (Continued)

1004654624

EDR ID Number

Action Code: 001

Action: SITE INSPECTION

 Date Started:
 09/01/80

 Date Completed:
 09/01/80

Priority Level: Addressed as part of an existing NPL site Operable Unit: SITE EVALUATION/DISPOSITION

Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: DISCOVERY

Date Started: //
Date Completed: 06/01/89
Priority Level: Not reported

Operable Unit: SITE EVALUATION/DISPOSITION

Primary Responsibility: EPA Fund-Financed Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: NEGOTIATION (GENERIC)

Date Started: 06/01/89
Date Completed: 12/28/89
Priority Level: Not reported
Operable Unit: SOIL/WASTE
Primary Responsibility: Federal Enforcement

Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: ADMINISTRATIVE ORDER ON CONSENT

Date Started: / /
Date Completed: 12/28/89
Priority Level: Not reported
Operable Unit: SOIL/WASTE
Primary Responsibility: Federal Enforcement

Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: TREATABILITY STUDY

Date Started: 01/01/90

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CHEMPLEX CO II (Continued)

1004654624

EDR ID Number

Date Completed: 04/27/92 Priority Level: Not reported Operable Unit: SOIL/WASTE Primary Responsibility: Responsible Party Planning Status: Primary

Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: RISK/HEALTH ASSESSMENT

Date Started: 01/01/90 Date Completed: 06/30/92 Priority Level: Not reported Operable Unit: RI/FS

Primary Responsibility: Responsible Party

Planning Status: Primary Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY

STUDY

Date Started: 12/28/89 Date Completed: 05/12/93 Priority Level: Not reported Operable Unit: SOIL/WASTE Primary Responsibility: Responsible Party Primary Planning Status:

Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:

Action: RECORD OF DECISION

Date Started:

05/12/93 Date Completed:

Priority Level: Final Remedy Selected at Site

Operable Unit: SOIL/WASTE Primary Responsibility: Federal Enforcement

Planning Status: Primary Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: Special Notice Issued

Date Started:

02/07/94 Date Completed: Priority Level: Not reported Operable Unit: **SOIL/WASTE** Primary Responsibility: Federal Enforcement

Planning Status: Not reported

Map ID MAP FINDINGS Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CHEMPLEX CO II (Continued)

1004654624

Urgency Indicator: Not reported Not reported Action Anomaly:

For detailed financial records, contact EDR for a Site Report.:

002 Action Code:

NEGOTIATION (GENERIC) Action:

Date Started: 02/07/94 Date Completed: 09/30/94 Priority Level: Not reported SOIL/WASTE Operable Unit: Primary Responsibility: Federal Enforcement

Planning Status: Primary Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: Lodged By DOJ

Date Started: //

Date Completed: 12/07/94 Priority Level: Not reported

SITE EVALUATION/DISPOSITION Operable Unit:

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002

Lodged By DOJ Action:

Date Started: Date Completed: 12/07/94 Priority Level: Not reported Operable Unit: SOIL/WASTE

Federal Enforcement Primary Responsibility: Planning Status: Not reported

Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: CONSENT DECREE

Date Started: 09/30/94 Date Completed: 02/09/95

Multi-Site-Subsequent Site Priority Level:

Operable Unit: SOIL/WASTE Primary Responsibility: Federal Enforcement

Planning Status: Primary Urgency Indicator: Not reported Action Anomaly: Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

CHEMPLEX CO II (Continued)

1004654624

EDR ID Number

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002

Action: CONSENT DECREE

Date Started: 09/30/94
Date Completed: 02/09/95
Priority Level: Not reported

Operable Unit: SITE EVALUATION/DISPOSITION

Primary Responsibility: Federal Enforcement

Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN

Date Started: 02/13/95
Date Completed: 12/18/96
Priority Level: Not reported
Operable Unit: SOIL/WASTE
Primary Responsibility: Responsible Party

Planning Status: Primary

Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: OPERATIONAL & FUNCTIONAL

Date Started: 01/12/98 Date Completed: 01/12/99 Priority Level: Not reported Operable Unit: SOIL/WASTE Primary Responsibility: Responsible Party Not reported Planning Status: Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION

Date Started: 12/18/96
Date Completed: 08/30/05
Priority Level: Not reported
Operable Unit: SOIL/WASTE
Primary Responsibility: Responsible Party

Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: POTENTIALLY RESPONSIBLE PARTY LONG-TERM RESPONSE ACTION

Direction Distance

Elevation Site Database(s) EPA ID Number

CHEMPLEX CO II (Continued)

1004654624

EDR ID Number

Date Started: 01/12/99
Date Completed: / /

Priority Level: Not reported Operable Unit: RI/FS

Primary Responsibility: Responsible Party Planning Status: Not reported Urgency Indicator: Not reported

Action Anomaly: Other Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Click this hyperlink while viewing on your computer to access 250 additional US CERCLIS Financial: record(s) in the EDR Site Report.

US ENG CONTROLS:

EPA ID: IAD984600312 Site ID: 0702615

Name: CHEMPLEX CO II

Address: HAWKEYE RD S OF HWY 30W

CLINTON, IA 52732

EPA Region: 07

County: CLINTON
Event Code: Not reported
Actual Date: 06/30/1993
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 05/12/1993
Operable Unit: 02
Contaminated Media: Debris
Engineering Control: Cap
Contact Name: Not reported
Contact Phone and Ext: Not reported

Contact Phone and Ext: Not reported Latitude: Not reported Longitude: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 05/12/1993
Operable Unit: 02
Contaminated Media: Debris
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 05/12/1993 Operable Unit: 02 Contaminated Media: Debris Map ID MAP FINDINGS

Distance

Elevation Site Database(s) EPA ID Number

CHEMPLEX CO II (Continued)

1004654624

EDR ID Number

Engineering Control: Oxidation
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 05/12/1993 Operable Unit: 02 Contaminated Media: Debris

Engineering Control: Residuals Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 05/12/1993
Operable Unit: 02
Contaminated Media: Soil
Engineering Control: Cap

Contact Name: Not reported Contact Phone and Ext: Not reported Latitude: Not reported Longitude: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 05/12/1993
Operable Unit: 02
Contaminated Media: Soil
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported

Action ID: 001

Longitude:

Action Name: RECORD OF DECISION

Action Completion date: 05/12/1993 Operable Unit: 02 Contaminated Media : Soil

Engineering Control: Physical/Chemical Treatment, (N.O.S.)

Not reported

Contact Name: Not reported Contact Phone and Ext: Not reported Latitude: Not reported Longitude: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 05/12/1993 Operable Unit: 02 Contaminated Media : Soil

Engineering Control: Soil Vapor Extraction (in-situ)

Contact Name: Not reported

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

CHEMPLEX CO II (Continued)

1004654624

EDR ID Number

Contact Phone and Ext: Not reported Latitude: Not reported Longitude: Not reported

US INST CONTROL:

 EPA ID:
 IAD984600312

 Site ID:
 0702615

 Name:
 CHEMPLEX CO II

 Action Name:
 RECORD OF DECISION

 Address:
 HAWKEYE RD S OF HWY 30W

CLINTON, IA 52732

EPA Region: 07
County: CLINTON
Event Code: Not reported

Inst. Control: Institutional Controls, (N.O.S.)

Actual Date: 06/30/1993
Complet. Date: 05/12/1993
Operable Unit: 02
Contaminated Media : Soil
Contact Name : Not reported
Contact Phone and Ext : Not reported

Contact Phone and Ext :Not reported Latitude : Not reported Longitude : Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

PRP:

PRP name: ACC CHEMICAL CO.

GETTY CHEMICAL CO.
QUANTUM CHEMICAL CORP.

TEXACO, INC.

ICIS:

 Enforcement Action ID:
 07-1994-0470

 FRS ID:
 110009279565

 Program ID:
 FRS 110009279565

 Action Name:
 CITY OF CLINTON, IA

Full Address: HAWKEYE RD S OF HWY 30W HAWKEYE RD S OF HWY 30W CLINTON IA 52732

State: Iowa Facility Name: CHEMPLEX

Facility Address: HAWKEYE RD S OF HWY 30W

CLINTON, IA 52732 Civil Judicial Action

Facility County: CLINTON

EPA Region #: 7

Enforcement Action Type:

Enforcement Action ID: 07-1994-0470 FRS ID: 110009279565

Program ID: CERCLIS IAD984600312
Action Name: CITY OF CLINTON, IA

Full Address: HAWKEYE RD S OF HWY 30W HAWKEYE RD S OF HWY 30W CLINTON IA 52732

State: Iowa
Facility Name: CHEMPLEX

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CHEMPLEX CO II (Continued) 1004654624

Facility Address: HAWKEYE RD S OF HWY 30W

CLINTON, IA 52732 Enforcement Action Type: Civil Judicial Action

Facility County: CLINTON

EPA Region #:

Enforcement Action ID: 07-1994-0470 FRS ID: 110009279565 Program ID: IDNR EFD 310658552 Action Name: CITY OF CLINTON, IA

Full Address: HAWKEYE RD S OF HWY 30W HAWKEYE RD S OF HWY 30W CLINTON IA 52732

State: Iowa Facility Name: **CHEMPLEX**

Facility Address: HAWKEYE RD S OF HWY 30W

CLINTON, IA 52732

Enforcement Action Type: Civil Judicial Action

Facility County: CLINTON

EPA Region #:

Enforcement Action ID: 07-1994-0469 FRS ID: 110009279565 Program ID: FRS 110009279565

Action Name: ACC CHEMICAL CO., CLINTON, IA

Full Address: HAWKEYE RD S OF HWY 30W HAWKEYE RD S OF HWY 30W CLINTON IA 52732

State: Iowa

Facility Name: **CHEMPLEX**

HAWKEYE RD S OF HWY 30W Facility Address:

> CLINTON, IA 52732 Civil Judicial Action

Enforcement Action Type: Facility County: CLINTON

EPA Region #:

Enforcement Action ID: 07-1994-0469 FRS ID: 110009279565

Program ID: CERCLIS IAD984600312

Action Name: ACC CHEMICAL CO., CLINTON, IA

Full Address: HAWKEYE RD S OF HWY 30W HAWKEYE RD S OF HWY 30W CLINTON IA 52732

State: Iowa Facility Name: **CHEMPLEX**

Facility Address: HAWKEYE RD S OF HWY 30W

CLINTON, IA 52732 Civil Judicial Action

Enforcement Action Type: Facility County: CLINTON

EPA Region #:

Enforcement Action ID: 07-1994-0469 FRS ID: 110009279565 Program ID: IDNR_EFD 310658552

Action Name: ACC CHEMICAL CO., CLINTON, IA

Full Address: HAWKEYE RD S OF HWY 30W HAWKEYE RD S OF HWY 30W CLINTON IA 52732

State: Iowa Facility Name: **CHEMPLEX**

HAWKEYE RD S OF HWY 30W Facility Address:

CLINTON, IA 52732

Enforcement Action Type: Civil Judicial Action

Facility County: CLINTON

EPA Region #: 7 **EDR ID Number**

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

CHEMPLEX CO II (Continued)

1004654624

EDR ID Number

Program ID: CERCLIS IAD984600312

Facility Name: CHEMPLEX

Address: HAWKEYE RD S OF HWY 30W

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Program ID: FRS 110009279565

Facility Name: CHEMPLEX

Address: HAWKEYE RD S OF HWY 30W

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Program ID: IDNR_EFD 310658552

Facility Name: CHEMPLEX

Address: HAWKEYE RD S OF HWY 30W

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Program ID: CERCLIS IAD984600312

Facility Name: CHEMPLEX

Address: HAWKEYE RD S OF HWY 30W

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Program ID: FRS 110009279565

Facility Name: CHEMPLEX

Address: HAWKEYE RD S OF HWY 30W

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Program ID: IDNR_EFD 310658552

Facility Name: CHEMPLEX

Address: HAWKEYE RD S OF HWY 30W

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

14 **CITY OF CLINTON** LUST U004134638 North 2000 S 60TH ST UST N/A

CLINTON, IA 52732 **Financial Assurance**

2243

Not reported

Not reported

1.351 mi. 7134 ft.

> 1

Relative:

LUST: Facility ID: Higher

Spill Number: Actual: Occur Date: 689 ft. Discover Date:

10/08/1990 Discover Time: 4:20 PM 10/08/1990 Record Date: Leak Number: 8LTC04 Loc ID: 64565 Ust ID: 5137 41.82533 Latitude: Longitude: -90.32905 Start Date: 10/26/1990 Spill Date: Not reported

Date Occurred Time: UNK 5 Lead ID: Coordinator ID: 11 Staff ID: 25 Discover Method ID: Leak Status: Stopped Not reported Tanks Removed: 01/08/2007 Created Date: Created By: migration Last Changed: 01/08/2007 Changed By: migration

Lust Status:

2243 ID: Site Leak Number: 8LTC04 Discovered During: Removal Tanks Removed:

Leak Cause:

Not reported Gas: Yes Diesel: Yes Oil: Not reported

Not reported Kerosene: Released Fuel Oil: Not reported Released Hydraulic Oil: Not reported Released Other Petroleum: Yes

Released Unknown: Not reported

Released Non_Petroleum Chemical: Not reported 00000000000 Gallons Released: Leak Status: Stopped Loc Soil: Yes Loc Ground Water: Yes

Loc Surface Water: Not reported Not reported Loc Water Supply: Not reported Res Public Water Supply: Resources Water Well: Not reported Res Actual Drinking WW: Not reported Res Non-Drink WW: Not reported Res Soil: Not reported Res Ground Water: Not reported Res Surface Water: Not reported

EDR ID Number

Map ID MAP FINDINGS

Distance Elevation

on Site Database(s) EPA ID Number

CITY OF CLINTON (Continued)

U004134638

EDR ID Number

Res Toxic Vapor: Not reported Not reported Res Explosive Vapor: Res Other: Not reported Res Impacted Soil: Not reported Res Impacted Ground Water: Not reported Res Impacted Water Well: Not reported Not reported Res Impacted Pub Water Supply: Res Impacted Surface Water: Not reported Res Impacted Toxic Vapor: Not reported Res Impacted Explosive Vapor: Not reported Res Impacted Other: Not reported Res Impacted Drinking WW: Not reported Res Impacted Non-Drink WW: Not reported Res Impacted Potential Non Drink WW: Not reported Officials Onsite Health: Not reported Officials Onsite Fire: Not reported Officials Onsite Law: Not reported Officials Onsite Civil: Not reported Officials Onsite None: Not reported Officials Onsite Unknown: Not reported Officials Onsite Other: Not reported AST: Not reported UST/LUST Other: Not reported Delete: False Status Memo: Not reported

Lust Misc:

Misc Due Date: Not reported Misc Rec Date: 05/04/2001

Misc Other: Not reported Misc Title: MTBE WORKSHEET & DISK

 Misc Due Date:
 04/01/1991
 Misc Rec Date:
 03/22/1991

 Misc Other:
 Not reported
 Misc Title:
 Not reported

Lust Remediation:

Heat Treatment: False Land Application: False On Site: False Achieved Over-Excavation: False Soil Venting Passive: False Soil Venting Active: False BioRemediation Passive: False BioRemediation Active: False In Situ GW Treatment - Air Sparging: False Ground Water: False Fresh Water: False IGT - pH Adjustment: False Nutrient: False Oxygen: False Biological: False Permit Date: Not reported Other: False Surface Treatment - Carbon Absorption: False Biological: False ST Other: False TDT Sanitary Sewer: False TDT Storm Sewer: False

Map ID MAP FINDINGS

Direction Distance Elevation

Site Database(s) EPA ID Number

CITY OF CLINTON (Continued)

U004134638

EDR ID Number

Stream: False TDT Other: False Reduced Risk Plugged Well: False RR Replace: False RR Relocate: False RR Other: False Delete: False Rem Memo: Not reported

Lust Tier 2 Report:

 T2 Assesment Due:
 09/27/2000

 T2 Received:
 09/28/2000

 T2 Accepted:
 Not reported

 T2 Rejected:
 11/29/2000

 T2 Reviewed:
 TMV

T2 Assesment Due: 04/30/2001
T2 Received: 05/04/2001
T2 Accepted: 05/24/2001
T2 Rejected: Not reported
T2 Reviewed: TMV

IA LUST Tier 3 Report:

 T3 Assesment Due:
 12/25/2003

 T3 Received:
 01/06/2004

 T3 Accepted:
 02/03/2004

 T3 Rejected:
 Not reported

 T3 Report Received By:
 TMV

2243

Not reported

Not reported

Lust Administration:

ID:

Owner Identified: Yes Responsible Party Found: Yes RP Date: 10/26/1990 Owner Broke: Yes ER Date: Not reported Cost Recovery Start Dt: Not reported CR Notice of Intent Dt: Not reported CR Appeal of NOI Dt: Not reported CR Final Decision Dt: Not reported CR EP Comm Lien Approval Dt: Not reported CR Lien: Not reported CR Ten Yr Renewal Dt: Not reported CR Lien Named: False CR Remediation: Not reported Delete: False CR Amnt Received: Not reported

Lust Track:

Memo:

CR End Date:

ID: 2243
Site Assesment Start Date: 12/19/1990
Free Product Recvry End Date: Not reported
FP Letter Sent Date: Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation

on Site Database(s) EPA ID Number

CITY OF CLINTON (Continued)

U004134638

EDR ID Number

FP Report Frequency: Not reported Assesment Report Due: Not reported Assesment Report Received: Not reported Assesment Report Approved: Not reported Achieved Over-Excavation: Not reported Release Not Verified Date: Not reported Ref to Contaminated Site Section: Not reported Cleanup Start Date: 1996-02-04 Cleanup Complete Date: 2004-10-18 Cleanup Report Due Date: Not reported Cleanup Report Received Date: Not reported Cleanup Report Approved Date: Not reported Check Report Due Date: Not reported Check Report Received Date: Not reported Check Report Rejected Date: Not reported Check Report Approved Date: Not reported Date Classified: 2004-10-18 Risk Classification -NFA: True Class - Low Risk: False Class - High Risk: False

Lust Current: No Action Required

Tier 1 Consultant Recommends: Not reported
T1 Actual GW Ingestion: False

T1 Poten GW Ingestion from Protected GW: False T1 Poten GW Ingestion from Protected GW: False T1 GW Vapor to Enclosed Space: False T1 GW to Plastic Water Line: False T1 Surface Water: False T1 Soil Leaching to GW: False T1 Soil Vapor to Enclosed Space: False T1 Soil to Plastic Line: False Tier 2 Consultant Recommends: NFA T2 Actual GW Ingestion: NFA T2 Poten GW Ingestion from Protected GW: NFA T2 Poten GW Ingestion from Protected GW: NFA

T2 GW Vapor to Enclosed Space: NFA T2 GW to Plastic Water Line: NFA T2 SW General Use: NFA T2 SW Designated Use: NFA T2 Soil Leaching to GW: NFA T2 Soil Vapor to Enclosed Space: NFA T2 Soil to Plastic Line: NFA Institutional Control Obtained: False 2005-05-17 NFA Certificate Sent: No Action Required: **False** Priority Ranking:

Delete:

Track Memo: 12/14/90: LTR ACKNGING NEEDING ADNL SMPLNG TO DOC OE ATMPT

SNT. RPT = 2/18/91.03/22/91: REC'D RPT RE SAMPLING OF SOIL & GW. SOIL & GW CONTAMIN DOCUMENTED.07/22/91: REC'D SAAR. IN CRP.05/04/95: REC'D SCR.02/04/96: ACCEPTED SCR, HIGH RISK. CADR/RBCA OPTION. INTERIM SMR DUE 7/31/96.03/18/98:

RBCA LTR SNT. REC'D 3/20. CNSLT = 4/18. T1 = 6/18/98.04/19/99: T1 ovd ltr snt. recd 4/22. T1 = 7/22/99.04/27/99: Ltr from cnslt. will do T2!! & ask for TE for T2 until 7/22/99.10/15/99: Schedule submitted by Maxim

for T2 with due date of 4/5/00.10/18/99: SENT 1ST T2 OD

Map ID MAP FINDINGS
Direction

Distance Elevation Site

Site Database(s) EPA ID Number

CITY OF CLINTON (Continued)

U004134638

EDR ID Number

LTR. REC'D 10/20 (should not have been sent).07/11/00: Received FUND time extension ---- T2 due 9/27/00.09/28/00: REC'D TIER 2 REPORT & DISK.10/11/00: REC'D SIGNED TIER 2 REPORT COVER PAGE.11/29/00: Sent T2 reject ltr; revised due 03/01/2001; green card dated 12/01/00. tvb01/10/01: Rec'd time ext request submit revised T2 by 04/29/01; did not respond. tvb04/20/01: E-MAIL FROM MAXIM; T2 = 4/30/01.05/04/01: REC'D REVISED TIER 2 REPORT & DISK. MTBE WORKSHEET & DISK.05/24/01: Sent T2 accept ltr high risk CADR due 10/03/01 green card returned not dated. tvb08/13/01: Rec'd Itr from Ginger Romig #1873 doing a T3 and requested a submittal date.08/15/01: Sent Itr assigning a due date of 11/19/01 for T3. tvb08/17/01: Rec'd ltr from Clinton Airport Commission requesting ext for T3 until 10/03/01 did not respond granted one already. tvb11/21/01: E-mail from Ginger Romig, Maxim finalizing T3 be in soon. tvb11/30/01: REC'D TIER 3 WORK PLAN.01/24/02: Rec'd tank closure report soil and gw results below CALs.03/12/02: Sent T3 accept ltr T3 assessment due 08/02/02 with corrections majority of proposal could have been done in T2 green card returned not dated. tvb07/29/03: SENT OD T3 REPORT LETTER. T3 = 8/12/03. bsq08/08/03: REC'D FROM MAXIM EXT REQUEST FOR TIER 3 UNTIL 10/17/03. Changed in computer did not respond. tvb11/20/03: SENT OD T3 REPORT LETTER. T3 = 12/8/03. (GREEN CARD DATED 11/22/03)11/25/03: E-mail from CGWP. T3=12/25/03. JH01/06/04: REC'D SMR. SMR TIER 2 DISK. HR: INTERIM MONITORING, TIER 3 REPORT, Bsg02/03/04: Sent SMR and T3 accept ltr with comments remains high risk for DWW1 need one GW sample from two MWs reclass SMR due 07/30/04 resampled soil source to clear soil pathways GW PWL met exit monitoring green card dated 02/07/04. tvb07/12/04: REC'D SMR. SITE RECLASS FROM HR: INTERIM TO NAR. (NO TIER 2 SMR OR MTBE). E-MAILED JOHN GAINES & REQUESTED IT E-MAILED TO ME. Bsg07/13/04: REC'D SMR SOFTWARE PER E-MAIL. NO MTBE ANALYZED. Bsg10/18/04: Sent nfa letter. tvb12/22/04: REC'D ABANDONED WATER WELL PLUGGING RECORDS. Bsg12/28/04: Email exchange with FRC a survey firm has been hired by the city to determine the legal description of the airport. tvb04/04/05: Sent abandoned water well plugging records to the city for signature and requested legal description. tvb05/09/05: REC'D ABANDONED WATER WELL PLUGGING RECORDS & LEGAL DESCRIPTION. Bsg

UST:

 Facility Id:
 5137

 Loc Id:
 5137

 Registration:
 198604766

 Owner Type:
 5

 Financial Code:
 15

 Insurer's Name:
 PMMIC

Policy Number: 8604766
Policy Start Date: 10/26/2014
Policy End Date: 10/25/2015
Registration Sign Date: 04/18/1991
Created By: migration

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CITY OF CLINTON (Continued)

U004134638

Created Date: 01/08/2007

Kock-Niedermayer.Lisa Changed By:

Last Changed: 01/30/2014 Latitude: 41.82533 Longitude: -90.32905

Tank Info:

Tank Num: 13508 In Use: False Tank Type: 4

Tank Brand Id: Not reported Not reported Inert Material Id: Filled In Place: Not reported

Material Construction: Steel with Polyethylene

Emergency Power Gen: Not reported

13509 Tank Num: False In Use: Tank Type:

Tank Brand Id: Not reported Not reported Inert Material Id: Filled In Place: Not reported

Steel with Polyethylene Material Construction:

Emergency Power Gen: Not reported

13510 Tank Num: In Use: False Tank Type:

Tank Brand Id: Not reported Inert Material Id: Not reported Filled In Place: Not reported

Material Construction: Steel with Polyethylene

Emergency Power Gen: Not reported

Tank Num: 13511 In Use: False Tank Type: 4

Tank Brand Id: Not reported Inert Material Id: Not reported Filled In Place: Not reported

Steel with Polyethylene Material Construction:

Emergency Power Gen: Not reported

Tank Num: 13512 In Use: False Tank Type:

Tank Brand Id: Not reported Inert Material Id: Not reported Filled In Place: Not reported

Steel with Polyethylene Material Construction:

Emergency Power Gen: Not reported

Tank Num: 13513 False In Use: Tank Type:

Tank Brand Id: Not reported Inert Material Id: Not reported Not reported Filled In Place:

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CITY OF CLINTON (Continued)

U004134638

Material Construction: Steel with Polyethylene

Emergency Power Gen: Not reported

Tank Num: 13514 In Use: False Tank Type: 4

Tank Brand Id: Not reported Inert Material Id: Not reported Filled In Place: Not reported Material Construction: Double Wall Steel Emergency Power Gen: Not reported

13515 Tank Num: In Use: False Tank Type:

Not reported Tank Brand Id: Inert Material Id: Not reported Filled In Place: Not reported Double Wall Steel Material Construction: Not reported Emergency Power Gen:

Tank Num: 13516 In Use: True Tank Type:

Not reported Tank Brand Id: Inert Material Id: Not reported

Filled In Place: False

Material Construction: **Double Wall Steel**

Emergency Power Gen: False

Tank Num: 13517 In Use: True Tank Type:

Tank Brand Id: Not reported Inert Material Id: Not reported Filled In Place: False

Material Construction: Double Wall Steel

Emergency Power Gen: False

IA Financial Assurance 1:

Facility ID: 198604766 Insurers Name: **PMMIC** Policy End Date: 10/25/2015 Site Status: Not reported

Financial Code: 15 8604766 Policy Number: Policy Start Date: 10/26/2014 Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CLINTON	U004134398		3333 UNITED STATES HIGHWAY 30	52730	LUST, UST

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/26/2015 Source: EPA
Date Data Arrived at EDR: 04/08/2015 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 01/18/2016
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/26/2015 Source: EPA
Date Data Arrived at EDR: 04/08/2015 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 01/18/2016
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 75

Source: EPA Telephone: N/A

Last EDR Contact: 11/07/2015

Next Scheduled EDR Contact: 01/18/2016 Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 10/09/2015

Next Scheduled EDR Contact: 01/18/2016 Data Release Frequency: Varies

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Telephone: 703-412-9810 Last EDR Contact: 11/23/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/23/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 09/29/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/29/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/29/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/29/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/29/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 13

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/22/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 09/29/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Registry of Hazardous Waste or Hazardous Substance Disposal Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 01/23/2015 Date Made Active in Reports: 02/19/2015

Number of Days to Update: 27

Source: Department of Natural Resources

Telephone: 515-281-8801 Last EDR Contact: 10/19/2015

Next Scheduled EDR Contact: 02/01/2016 Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Permitted Solid Waste Management Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/08/2015 Date Data Arrived at EDR: 09/09/2015 Date Made Active in Reports: 10/21/2015

Number of Days to Update: 42

Source: Department of Natural Resources

Telephone: 515-281-8801 Last EDR Contact: 12/09/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Data

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/08/2015 Date Data Arrived at EDR: 09/17/2015 Date Made Active in Reports: 10/21/2015

Number of Days to Update: 34

Source: Department of Natural Resources

Telephone: 515-281-6001 Last EDR Contact: 12/07/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites
A listing of leaking aboveground storage tank sites.

Date of Government Version: 11/04/2015 Date Data Arrived at EDR: 11/07/2015 Date Made Active in Reports: 12/09/2015

Number of Days to Update: 32

Source: Department of Natural Resources

Telephone: 515-281-6001 Last EDR Contact: 10/19/2015

Next Scheduled EDR Contact: 02/01/2016 Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 48

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 10/08/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015 Date Data Arrived at EDR: 04/28/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/08/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 02/09/2015

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 10/30/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/21/2015 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 76

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/13/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 07/28/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 04/30/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 53

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/27/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 10/08/2015

Next Scheduled EDR Contact: 01/25/2016 Data Release Frequency: Varies

UST: Underground Storage Tank Data

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/08/2015 Date Data Arrived at EDR: 09/17/2015 Date Made Active in Reports: 10/21/2015

Number of Days to Update: 34

Source: Department of Natural Resources

Telephone: 515-281-6001 Last EDR Contact: 12/07/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Sites

Bulk fuel facilities, commercial fuel operations, private farm sites, and any other storage facility that meets the Department of Public Safety?s registration criteria. They register any class I, II or III petroleum product

(gas, diesel and oil) above 1,100 gallons.

Date of Government Version: 09/28/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 10/21/2015

Number of Days to Update: 22

Source: Department of Public Safety Telephone: 515-281-5821

Last EDR Contact: 09/28/2015

Next Scheduled EDR Contact: 01/11/2016

Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee

and Tribal Nations)

Date of Government Version: 07/30/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/28/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/13/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 04/30/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 53

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/27/2015

Next Scheduled EDR Contact: 02/08/2016

Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 65

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 07/21/2015 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 76

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 28

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 10/30/2015

Next Scheduled EDR Contact: 02/09/2016 Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/28/2015 Date Data Arrived at EDR: 08/14/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 60

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

INST CONTROL: Sites with Institutional Controls

Sites currently enrolled in the Land Recycling Program that have Institutional Controls.

Date of Government Version: 10/19/2015 Date Data Arrived at EDR: 10/21/2015 Date Made Active in Reports: 12/09/2015

Number of Days to Update: 49

Source: Department of Natural Resources

Telephone: 515-242-5818 Last EDR Contact: 10/21/2015

Next Scheduled EDR Contact: 02/01/2016 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Land Recycling Program Sites

Sites currently enrolled in the Land Recycling Program.

Date of Government Version: 11/04/2015 Date Data Arrived at EDR: 11/07/2015 Date Made Active in Reports: 12/09/2015

Number of Days to Update: 32

Source: Department of Natural Resources

Telephone: 515-242-5818 Last EDR Contact: 10/19/2015

Next Scheduled EDR Contact: 02/01/2016 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014 Date Data Arrived at EDR: 10/01/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 36

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 09/29/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Listing

Brownfields are abandoned, idled, or under-used industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 11/04/2015 Date Data Arrived at EDR: 11/07/2015 Date Made Active in Reports: 12/09/2015

Number of Days to Update: 32

Source: Department of Natural Resources

Telephone: 515-281-8489 Last EDR Contact: 10/19/2015

Next Scheduled EDR Contact: 02/01/2016 Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/22/2015 Date Data Arrived at EDR: 06/24/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 70

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 09/23/2015

Next Scheduled EDR Contact: 01/04/2016 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 11/06/2015

Next Scheduled EDR Contact: 02/15/2016

Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/12/2015 Date Data Arrived at EDR: 09/04/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015 Data Release Frequency: No Update Planned

ALLSITES: Contaminated Sites Tracking Database

All the sites included in the Contaminated Sites Tracking Database. The database includes several regulatory complinace programs and actions.

Date of Government Version: 11/04/2015 Date Data Arrived at EDR: 11/07/2015 Date Made Active in Reports: 12/09/2015

Number of Days to Update: 32

Source: Department of Natural Resources

Telephone: 515-281-4171 Last EDR Contact: 10/19/2015

Next Scheduled EDR Contact: 02/01/2016 Data Release Frequency: Quarterly

DEL SHWS: Delisted Contaminated Sites Listing

A listing of sites delisted from the Contaminated Sites Listing.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 04/21/2014 Date Made Active in Reports: 05/05/2014

Number of Days to Update: 14

Source: Department of Natural Resources

Telephone: 515-281-8801 Last EDR Contact: 10/19/2015

Next Scheduled EDR Contact: 02/01/2016 Data Release Frequency: Annually

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/12/2015 Date Data Arrived at EDR: 09/04/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/25/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Quarterly

Local Land Records

LIENS: Liens Filed Listing

A listing of liens filed with the Iowa Comprehensive Petroleum Underground Storage Tank Fund.

Date of Government Version: 11/10/2015 Date Data Arrived at EDR: 11/13/2015 Date Made Active in Reports: 12/09/2015

Number of Days to Update: 26

Source: Department of Natural Resources

Telephone: 515-281-5523 Last EDR Contact: 11/09/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 10/30/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 68

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 09/29/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Annually

SPILLS: Spills Database

Spill reporting data that is collected during the initial report of an incident.

Date of Government Version: 09/08/2015 Date Data Arrived at EDR: 09/09/2015 Date Made Active in Reports: 10/21/2015

Number of Days to Update: 42

Source: Department of Natural Resources

Telephone: 515-281-4367 Last EDR Contact: 12/09/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/17/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/05/2013

Number of Days to Update: 61

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/29/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/16/2015

Next Scheduled EDR Contact: 01/25/2016 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/16/2015

Next Scheduled EDR Contact: 01/25/2016

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 02/29/2016

Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015 Date Data Arrived at EDR: 09/03/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 11/10/2015

Next Scheduled EDR Contact: 02/22/2016 Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/22/2016 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 14

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/25/2015

Next Scheduled EDR Contact: 01/04/2016 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 110

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical

and health information to aid in the cleanup.

Date of Government Version: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015 Date Data Arrived at EDR: 08/26/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016

Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008

Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014

Date Made Active in Reports: 10/20/2014 Number of Days to Update: 3 Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/22/2016 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 33

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 10/29/2015

Next Scheduled EDR Contact: 01/25/2016 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015 Date Data Arrived at EDR: 02/06/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 10/08/2015

Next Scheduled EDR Contact: 01/25/2016 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/26/2015 Date Data Arrived at EDR: 07/10/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 95

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 12/07/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 07/13/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 10/29/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S.

Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015 Date Data Arrived at EDR: 07/09/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 10/07/2015

Next Scheduled EDR Contact: 01/18/2016 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 11/07/2015

Next Scheduled EDR Contact: 02/15/2016 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 09/28/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 09/30/2015

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 10/16/2015

Next Scheduled EDR Contact: 01/25/2016 Data Release Frequency: Semi-Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/07/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014 Date Data Arrived at EDR: 11/26/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 10/05/2015

Next Scheduled EDR Contact: 01/18/2016 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36 Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 07/22/2015 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 40

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/28/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 07/22/2015 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 40

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/28/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/14/2015 Date Data Arrived at EDR: 06/03/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 91

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 12/03/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 12/04/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 12/04/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015 Date Data Arrived at EDR: 09/09/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 55

Source: EPA

Telephone: (913) 551-7003 Last EDR Contact: 12/10/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Quarterly

AIRS: Minor and Title V Sources Listing
A listing of Minor and Title V sources.

Date of Government Version: 09/14/2015 Date Data Arrived at EDR: 09/14/2015 Date Made Active in Reports: 10/21/2015

Number of Days to Update: 37

Source: Department of Natural Resources

Telephone: 515-281-8468 Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal combustion residue landfill locations.

Date of Government Version: 09/08/2015 Date Data Arrived at EDR: 09/09/2015 Date Made Active in Reports: 10/21/2015

Number of Days to Update: 42

Source: Department of Natural Resources

Telephone: 515-281-8308 Last EDR Contact: 12/09/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Quarterly

DRYCLEANERS: Iowa Drycleaner List A listing of drycleaners in Iowa.

Date of Government Version: 06/10/2015 Date Data Arrived at EDR: 07/20/2015 Date Made Active in Reports: 08/06/2015

Number of Days to Update: 17

Source: Department of Natural Resources

Telephone: 515-242-5100 Last EDR Contact: 10/19/2015

Next Scheduled EDR Contact: 02/01/2016 Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 09/08/2015 Date Data Arrived at EDR: 09/17/2015 Date Made Active in Reports: 10/21/2015

Number of Days to Update: 34

Source: Department of Natural Resources

Telephone: 515-242-5086 Last EDR Contact: 12/07/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 09/11/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 10/21/2015

Number of Days to Update: 40

Source: Department of Natural Resources

Telephone: 515-242-5818 Last EDR Contact: 12/04/2015

Next Scheduled EDR Contact: 03/21/2016

Data Release Frequency: Varies

NPDES: List of NPDES Permittees

The files listed below contain information on facilities that hold NPDES permits, or those that are authorized to discharge wastewater to surface waters in Iowa.

Date of Government Version: 06/01/2015 Date Data Arrived at EDR: 08/18/2015 Date Made Active in Reports: 08/19/2015

Number of Days to Update: 1

Source: Department of Natural Resources

Telephone: 515-281-4736 Last EDR Contact: 11/20/2015

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 03/24/2015 Date Made Active in Reports: 04/02/2015

Number of Days to Update: 9

Source: Department of Natural Resources

Telephone: 515-725-0302 Last EDR Contact: 09/21/2015

Next Scheduled EDR Contact: 01/04/2016 Data Release Frequency: Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Iowa.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/03/2014 Number of Days to Update: 186

Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 06/01/2012

Source: Department of Natural Resources

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists.

Compiled from Records formerly available from the Department of Natural Resources in Iowa.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/26/2013 Number of Days to Update: 178

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013 Date Made Active in Reports: 10/03/2013

Telephone: 860-424-3375

Date Data Arrived at EDR: 08/19/2013

Last EDR Contact: 11/16/2015 Next Scheduled EDR Contact: 02/29/2016

Source: Department of Energy & Environmental Protection

Number of Days to Update: 45

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/17/2015 Date Made Active in Reports: 08/12/2015

Telephone: N/A Last EDR Contact: 10/13/2015

Number of Days to Update: 26

Next Scheduled EDR Contact: 01/25/2016

Source: Department of Environmental Protection

Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

acility.

Date of Government Version: 11/02/2015 Date Data Arrived at EDR: 11/08/2015 Date Made Active in Reports: 12/09/2015

Number of Days to Update: 31

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 11/08/2015

Next Scheduled EDR Contact: 02/15/2016 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/19/2015 Date Made Active in Reports: 07/15/2015

Number of Days to Update: 26

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 03/19/2015 Date Made Active in Reports: 04/07/2015

Number of Days to Update: 19

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/09/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facilities Source: Department of Human Services

Telephone: 515-281-4357

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Iowa Source: Department of Natural Resources Telephone: 319-335-1575

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LINCOLNWAY INDUSTRIAL RAIL 54TH ST & 44TH AVE S CLINTON, IA 52732

TARGET PROPERTY COORDINATES

Latitude (North): 41.8063 - 41° 48' 22.68" Longitude (West): 90.3298 - 90° 19' 47.28"

Universal Tranverse Mercator: Zone 15 UTM X (Meters): 721824.1 UTM Y (Meters): 4631504.0

Elevation: 671 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5941183 CAMANCHE, IA

Version Date: 2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

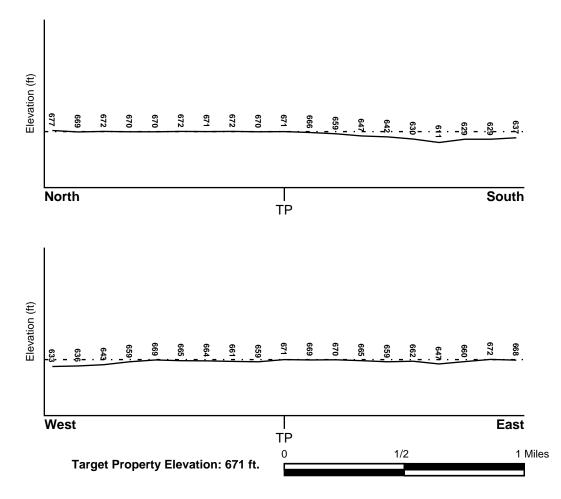
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood Electronic Data

Target Property County Electronic Dat CLINTON, IA Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

CAMANCHE YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era: Paleozoic Category: Stratifed Sequence

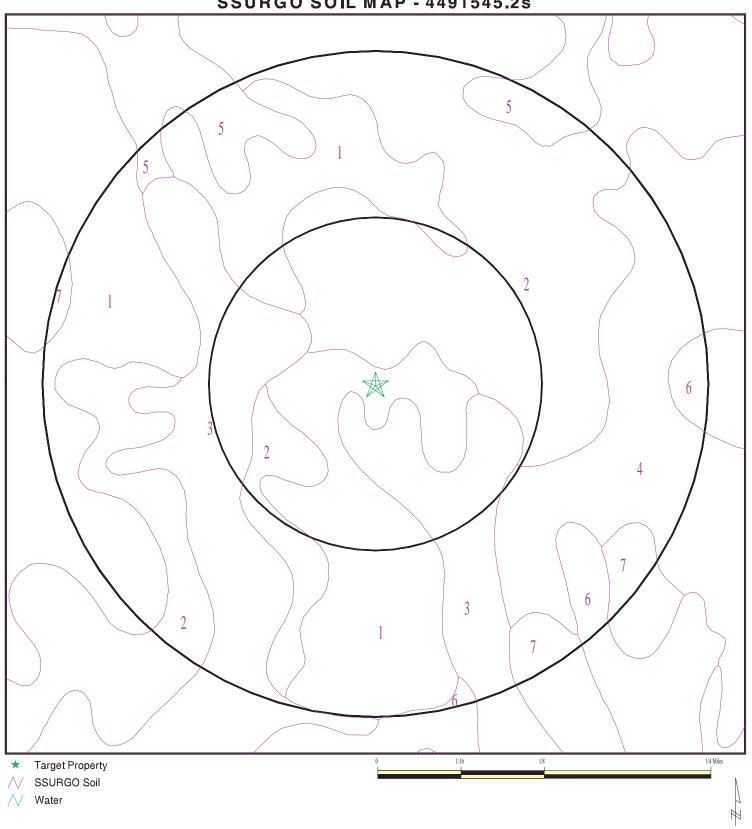
System: Silurian

Series: Middle Silurian (Niagoaran)

Code: S2 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4491545.2s



SITE NAME: Lincolnway Industrial Rail ADDRESS: 54th St & 44th Ave S Clinton IA 52732 LAT/LONG: 41.8063 / 90.3298

CLIENT: Olsson Associates CONTACT: Ryan Doty INQUIRY #: 4491545.2s

DATE: December 14, 2015 1:28 pm

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Dinsdale

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 122 inches

	Soil Layer Information						
	Воц	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Oon Roudin
1	0 inches	18 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	18 inches	35 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	35 inches	59 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 5.6

Soil Map ID: 2

Soil Component Name: Ansgar

Soil Surface Texture: silt loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be

drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary		Boundary	Classi	Classification		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	
1	0 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	16 inches	38 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	38 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1

Soil Map ID: 3

Soil Component Name: Garwin

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be

drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Boundary			Classif	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	14 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	14 inches	42 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 6.1
3	42 inches	46 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.1
4	46 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6

Soil Map ID: 4

Soil Component Name: Waukegan
Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Вои	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	14 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	14 inches	35 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	35 inches	59 inches	gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6

Soil Map ID: 5

Soil Component Name: Klinger
Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

	Soil Layer Information						
	Bou	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	16 inches	31 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	31 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.1

Soil Map ID: 6

Soil Component Name: Atterberry

Soil Surface Texture: silt loam

Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse Hydrologic Group:

textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

	Soil Layer Information						
	Bou	ındary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	16 inches	46 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6 Min: 5.1
3	46 inches	50 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 6 Min: 5.6
4	50 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.6

Soil Map ID: 7

Soil Component Name: Flagler

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Воц	ındary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	18 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6
2	18 inches	35 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 6.5 Min: 5.1
3	35 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 705 Min: 141	Max: 7.3 Min: 5.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

MAP ID WELL ID FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

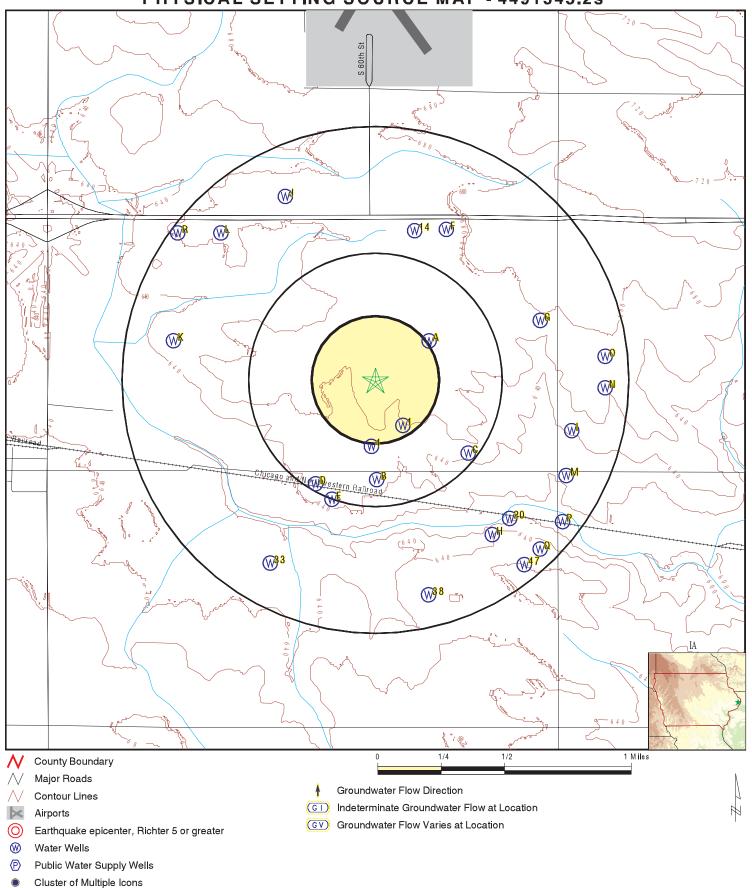
		LOCATION
MAP ID	WELL ID	FROM TP
1	IAPW30000099807	1/8 - 1/4 Mile SSE
A2	IAPR30000055113	1/4 - 1/2 Mile NE
A3	IAPU30000314396	1/4 - 1/2 Mile NE
4	IAPW30000102506	1/4 - 1/2 Mile South
B5	IAPW30000032195	1/4 - 1/2 Mile South
B6	IAPU30000314397	1/4 - 1/2 Mile South
C7	IAPU30000314543	1/4 - 1/2 Mile SE
C8	IAPW30000038015	1/4 - 1/2 Mile SE
D9	IAPR30000081999	1/4 - 1/2 Mile SSW
D10	IAPU30000314297	1/4 - 1/2 Mile SSW
C11	IAPU30000314556	1/4 - 1/2 Mile SE
E12	IAPU30000314328	1/4 - 1/2 Mile SSW
E13	IAPR30000019983	1/2 - 1 Mile SSW
14	IAPU30000314288	1/2 - 1 Mile NNE
F15	IAPR30000038491	1/2 - 1 Mile NNE
F16	IAPU30000314330	1/2 - 1 Mile NNE
G17	IAPU30000314575	1/2 - 1 Mile ENE
G18	IAPW30000012986	1/2 - 1 Mile ENE
H19	IAPU30000314622	1/2 - 1 Mile SE
20	IAPU30000314650	1/2 - 1 Mile SE
H21	IAPU30000314627	1/2 - 1 Mile SE
H22	IAPW30000030846	1/2 - 1 Mile SE
123	IAPW30000003978	1/2 - 1 Mile ESE
124	IAPU30000314700	1/2 - 1 Mile ESE
J25	IAPU30000314003	1/2 - 1 Mile NNW
J26	IAPR30000070021	1/2 - 1 Mile NNW
K27	IAPU30000313864	1/2 - 1 Mile West
J28	IAPU30000313994	1/2 - 1 Mile NNW
K29	IAPU30000313869	1/2 - 1 Mile West
K30	IAPR30000052624	1/2 - 1 Mile West
K31	IAPR3000075607	1/2 - 1 Mile West
K32	IAPU30000313848	1/2 - 1 Mile West
33 L34	IAPU30000314284	1/2 - 1 Mile SSW 1/2 - 1 Mile NW
L34 L35	IAPU30000313900 IAPW30000000418	1/2 - 1 Mile NW
M36	IAUS20000005715	1/2 - 1 Mile INV
M37	IAPU30000314729	1/2 - 1 Mile ESE
38	IAPU30000314729	1/2 - 1 Mile ESE 1/2 - 1 Mile SSE
N39	IAPU30000314732	1/2 - 1 Mile 53L
O40	IAPU30000314732	1/2 - 1 Mile East
N41	IAPU30000314094	1/2 - 1 Mile East
O42	IAPU30000314704	1/2 - 1 Mile East
P43	IAPW30000314704	1/2 - 1 Mile East
1 70	7.11 ***********************************	1/2 · I WIIIG OL

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P44	ĪAPU30000314766	1/2 - 1 Mile SE
Q45	IAPR30000076913	1/2 - 1 Mile SE
Q46	IAPU30000314746	1/2 - 1 Mile SE
47	IAPU30000314719	1/2 - 1 Mile SE
R48	IAPU30000313728	1/2 - 1 Mile NW
R49	IAPW30000021469	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 4491545.2s



SITE NAME: Lincolnway Industrial Rail ADDRESS: 54th St & 44th Ave S Clinton IA 52732

41.8063 / 90.3298 LAT/LONG:

CLIENT: Olsson Ass CONTACT: Ryan Doty Olsson Associates

INQUIRY#: 4491545.2s

DATE: December 14, 2015 1:28 pm

Map ID Direction Distance

Elevation Database EDR ID Number

SSE 1/8 - 1/4 Mile

IA WELLS IAPW3000099807

Lower

Objectid: 99807 Iwellid: 2240293 2169993 39823 Wellnmbr: Pmtnmbr:

81 Twp: Rge: 5 Ew: Ε Sec: 24

Qqqqq: SE, NE, SW, SE, NW

0 Elev:

Elev acc: Not Reported

Well depth: 737 Br depth: 0 224 Wtr depth:

41.8036994934 Latitude: Longitude: -90.3276977539 Dte done: 12-AUG-13

Cty num: 23 County: Clinton

Drlr name: Gingerich Well Co. Owner name: Not Reported Cnstr mthd: Rotary Drill Not Reported Fm rmk: Commercial Well use: Active Status: Ht pmp no: 0

Permit: Χ Plugging: Not Reported

Not Reported Renovate: Test: Χ

722001.704367 Xcoord: Ycoord: 4631433.88461

Horiz acc: Not Reported Has litho: 1 Has prod: 1 Has wq: 1

Has constr: 1 Wnumber:

https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2169993&reportName=WellPrintout Hlink:

Site id: IAPW30000099807

IA WELLS 1/4 - 1/2 Mile Higher

81 Recordno: 55113 Twp: Ns: Ν Rge: 5 Ε 24 E w: Sec:

Qqqqq: Not Reported Q abc: Not Reported kwillet 04/06/99 10:13:52 Checked: Ownerfirst: **ROB** Ownerlast: **PUTMAN** Owneraddr: 4100 9TH ST

Ownercity: CAMANCHE Ownerst:

Not Reported Ownerzip: 52730 Ownerphone: 24 81 5E County: 23 Legal: Depth: 122 Dpth rel: Κ

IAPR30000055113

Permit: Not Reported Sampldte: 18-FEB-99

Lab: UNIVERSITY HYGENIC LAB

Lab no:G3101Anal dte:22-FEB-99Smplsrce:KITCHENBact ltb:Not ReportedBact bgb:Not ReportedBactr:Not ReportedBact:0

 Bactr.
 Not Reported
 Bact.
 0

 Bctcolml:
 0
 Bact s u:
 S

 No3r:
 Not Reported
 No3:
 22

 No3 s u:
 S
 Nitrogen:
 0

Drl mthd:DRILLEDDrlmth rel:Not ReportedCase mat:STEELCs mt rel:Not ReportedCase diam:5Csdia rel:K

 Case diam:
 5
 Csdia rel:
 K

 Year cons:
 1995
 Yr rel:
 K

Agentfirst: BOB Agentlast: SUMMERS

Created: cpartai 04/05/99 13:49:03 Updated: kwillet 04/06/99 10:13:52

Flag: YYNNYYNNNNNNNNNNNNNN

 Utm x:
 722166.25

 Utm y:
 4631760.5

 Site id:
 IAPR30000055113

A3
NE
1/4 - 1/2 Mile
Higher

Mapid: 314396 Wellid: 55113 Id src fld: patasrc: TEST

Well type: Wells registered for testing Location: T. 81 N., R. 5 E., Sec. 24

County: Clinton Est loc ac: Calc. +/- 1135m.

Depth: 122 C p date: 1995

Owner name: Putman, Rob

Other info: Drilling method: Drilled; Known well depth

 Xcoord:
 722153.25

 Ycoord:
 4631974.5

 Hlink:
 Not Reported

 Site id:
 IAPU30000314396

4 South IA WELLS IAPW30000102506

South 1/4 - 1/2 Mile Lower

 Objectid:
 102506
 Iwellid:
 2251582

 Wellnmbr:
 2174121
 Pmtnmbr:
 41244

Twp: 81
Rge: 5
Ew: E
Sec: 24

Qqqqq: SE, SW, NW, NW, SE

Elev: 0

Elev acc: Not Reported

Well depth: 240

Br depth: 0 Wtr depth: 27

Latitude: 41.8025016785 Longitude: -90.3301010132 Dte done: 27-MAR-14

Cty num: 23 County: Clinton

Drlr name:

Owner name:

Cnstr mthd:

Fm rmk:

Well use:

Status:

Ht pmp no:

Gingerich Well Co.

Not Reported

Rotary Drill

Not Reported

Commercial

Active Log

Ht pmp no:

Gingerich Well Co.

Active Log

O

Permit:XPlugging:Not ReportedRenovate:Not ReportedTest:Not Reported

Xcoord: 721806.171422 Ycoord: 4631294.67153

Horiz acc: Not Reported Has litho:
Has prod: 1 Has wg:

Has constr: 1 Wnumber: 0

Hlink: https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2174121&reportName=WellPrintout

1

Site id: IAPW30000102506

South IA WELLS IAPW3000032195

1/4 - 1/2 Mile Lower

 Objectid:
 32195
 Iwellid:
 2120085

 Wellnmbr:
 2107297
 Pmtnmbr:
 Not Reported

 Twp:
 81

 Rge:
 5

 Ew:
 E

 Sec:
 25

Qqqqq: NW, NE, NW, NW, SW

Elev: 0

Elev acc: Not Reported

 Well depth:
 100

 Br depth:
 0

 Wtr depth:
 0

 Latitude:
 41.8006

 Longitude:
 -90.3297

 Dte done:
 09-JUN-65

 Cty num:
 23

Cty num: 23
County: Clinton
Drlr name: Not Reported
Owner name: DODDS, WENDELL

Cnstr mthd: Unknown
Fm rmk: Not Reported
Well use: Household
Status: Active
Ht pmp no: 0

Permit: Not Reported Plugging: Not Reported

Renovate: Not Reported Test: X

Xcoord: 721846.053415 Ycoord: 4631084.54752

Horiz acc: Not Reported Has litho: 0 Has prod: 0 Has wq: 1

0 Has constr: Wnumber: 0

Hlink: https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2107297&reportName=WellPrintout

IAPW3000032195 Site id:

B6 South **IA WELLS** IAPU30000314397 1/4 - 1/2 Mile

Lower

Mapid: 314397 Wellid: 2107297 Id src fld: wellnmbr Datasrc: **PWTS**

Well type: Private well tracking system Location: T. 81 N., R. 5E., Sec. 25, NW, NE, NW, NW, SW

County: Clinton Est loc ac: nom. +/- 25m. 06/09/1965 Depth: 100 C p date:

Owner name: DODDS, WENDELL

Other info: Status: Active; Well use: Household

721846.053415 Xcoord: Ycoord: 4631084.54752

Hlink: http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2107297&reportName=WellPrintout

Site id: IAPU30000314397

IA WELLS IAPU30000314543 1/4 - 1/2 Mile

Datasrc:

Lower 314543 Wellid: Mapid: 2113738

Well type: Private well tracking system Location: T. 81 N., R. 5E., Sec. 24, SW, SE, SW, SE, NW

PWTS

Est loc ac: Clinton nom. +/- 25m. County: Depth: 745 11/22/2005 C p date:

Owner name: Not Reported

Other info: Status: Retired; Well use: Commercial

wellnmbr

722397.538004 Xcoord: Ycoord: 4631268.43274

Hlink: http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2113738&reportName=WellPrintout

Site id: IAPU30000314543

C8 **IA WELLS** IAPW3000038015

SE

1/4 - 1/2 Mile Lower

Id src fld:

Objectid: 38015 lwellid: 2130077 Wellnmbr: 2113738 20972 Pmtnmbr:

Twp: 81 Rge: 5 Е Ew: Sec: 24

SW, SE, SW, SE, NW Qqqqq:

Elev: 667

Elev acc: Not Reported

Well depth: 745

Br depth: 0 Wtr depth: 270 Latitude: 41.8021 -90.323 Longitude: 22-NOV-05 Dte done: Cty num: 23

County: Clinton Drlr name: Gingerich Well Co. Not Reported Owner name: Rotary Drill Cnstr mthd: Fm rmk: Not Reported

Well use: Commercial Status: Retired Ht pmp no: 0

Permit: Χ Not Reported Plugging: Renovate: Not Reported Test: Not Reported

722397.538004 Xcoord:

4631268.43274 Ycoord:

Horiz acc: Not Reported Has litho: 1 Has prod: Has wq: 0 1

Has constr: 1 Wnumber:

Hlink: https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2113738&reportName=WellPrintout

IAPW3000038015 Site id:

SSW **IA WELLS** IAPR30000081999 1/4 - 1/2 Mile

Lower

Recordno: 81999 Twp: 81 5 Ns: Ν Rge: 25 E w: Ε Sec: Qqqqq: NW NW NW Q abc: **BBB** Checked: mwillia 05/22/01 10:45:36 Ownerfirst: **EARL**

ROSELAND 3807 220TH ST Ownerlast: Owneraddr: CLINTON Ownercity: Ownerst:

Ownerzip: 52732 Ownerphone: County: 23 Legal: **NWNWNW25 81 5E**

Depth: 87 Dpth rel:

24-APR-01 Not Reported Sampldte: Permit:

UNIVERSITY HYGIENIC LABORATORY Lab: Lab no: G6027

Anal dte: 30-APR-01 Smplsrce: KITCHEN FAUCET Bact Itb: Not Reported Bact bgb: Not Reported

Bactr: Not Reported Bact: 0 U Bctcolml: Bact s u: No3r: Not Reported No3: 49 No3 s u: Nitrogen:

DRILLED Not Reported Drl mthd: Drlmth rel: Case mat: Cs mt rel: Not Reported STEEL

Case diam: 0 Csdia rel: U 0 U Year cons: Yr rel:

Agentfirst: **BOB** Agentlast: **SUMMERS** Updated: Created: mwillia 05/18/01 13:50:22 mwillia 05/22/01 10:45:36

NNNNNNNNNNNNNNNNNNN Flag:

Utm x: 721477.63 Utm y: 4630832.06 IAPR30000081999 Site id:

5222260

Map ID Direction Distance

Elevation Database EDR ID Number

D10 SSW 1/4 - 1/2 Mile

IA WELLS IAPU30000314297

unkn

Lower

Mapid: 314297 Wellid: 81999 Id src fld: **TEST** recordno Datasrc:

Wells registered for testing T. 81 N., R. 5 E., Sec. 25, NW, NW, NW Well type: Location: C p date:

County: Clinton Est loc ac: Calc. +/- 140m.

Depth: 87 Owner name: Roseland, Earl

Other info: Drilling method: Drilled; Known well depth

721457.56 Xcoord: 4631045 Ycoord: Hlink: Not Reported IAPU30000314297 Site id:

C11 1/4 - 1/2 Mile Lower

IAPU30000314556 **IA WELLS**

Mapid: 314556 Wellid: 61195 Id src fld: wnumber Datasrc: **GEOU**

T. 81N., R. 5E., Sec. 24, SE, SW, SE IGS well database Well type: Location:

Calc. +/- 140 m. County: CLINTON Est loc ac: 11/22/2005 Depth: 745 C p date:

Owner name: **CLINTON COUNTY BIO-ENERGY**

Other info: Bedrock depth: 31; Well type: Commercial

Xcoord: 722471.14 Ycoord: 4631277.59

Hlink: http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=61195

Site id: IAPU30000314556

E12 SSW 1/4 - 1/2 Mile Lower

> 314328 Mapid: Wellid: 19983

Id src fld: Datasrc: **TEST** recordno Well type: Wells registered for testing Location: T. 81 N., R. 5 E., Sec. 25, NW, NW

Clinton Calc. +/- 285m. County: Est loc ac:

130 1979 Depth: C p date:

Owner name: Hansen, Dale

Other info: Drilling method: Drilled; Known well depth

Xcoord: 721566.25 4630953 Ycoord: Hlink: Not Reported Site id: IAPU30000314328 **IA WELLS**

IAPU30000314328

Map ID Direction Distance

Elevation Database EDR ID Number E13

SSW 1/2 - 1 Mile Lower

> Recordno: 19983 Twp: 81 5 Rge: Ns: Ν 25 E w: Sec: Ε NW NW Qqqqq: Q abc: BB

Checked: jwycisk 01/06/97 08:28:26 Ownerfirst: DALE Ownerlast: **HANSEN** Owneraddr: 3307 260 TH ST.

Ownercity: DE WITT Ownerst: IΑ 52742 Ownerphone: 6598633 Ownerzip: NWNW25 81 5E County: 23 Legal:

Depth: 130 Dpth rel: Not Reported Sampldte: 21-JUL-92 Permit:

UNIVERSITY HYGIENIC LABORATORY- OAKDALE Lab:

G002480 Lab no:

Anal dte: 22-JUL-92 Smplsrce: **KITCHEN** Bact Itb: Not Reported Bact bgb: Not Reported

Bactr: Not Reported Bact: 0 S Bctcolml: 0 Bact s u: No3r: No3: 1 < No3 s u: Nitrogen:

Drl mthd: DRILLED Drlmth rel: Not Reported STEEL Not Reported Case mat: Cs mt rel:

Case diam: 6 Csdia rel: Κ 1979 Year cons: Yr rel:

Agentfirst: **ROBERT** Agentlast: **SUMMERS**

Created: libey 01/03/97 13:45:27 Updated: jwycisk 01/06/97 08:28:26

YNNNNNNNNNNNNNNNNNNNNN Flag:

721583.25 Utm x: Utm y: 4630733.13

IAPR30000019983 Site id:

NNE 1/2 - 1 Mile

Higher

314288 Wellid: 25195 Mapid: Id src fld: recordno Datasrc: **PVTP**

Well type: Permitted private wells Location: T. 81 N., R. 5 E., Sec. 24, NW, NE, NE

County: Clinton Est loc ac: Calc. +/- 140m. 125 C p date: 7/06/1999 Depth: Owner name: Bray

Other info: Primary use: household

Xcoord: 722037.63 Ycoord: 4632672 Hlink: Not Reported Site id: IAPU30000314288 **IA WELLS**

IA WELLS

IAPR30000019983

IAPU30000314288

Map ID Direction Distance Elevation

F15 **IA WELLS** IAPR30000038491 NNE

1/2 - 1 Mile Higher

> Recordno: 38491 Twp: 81 5 Rge: Ns: Ν 24 Е Sec: E w: NE NW NW ABB Qqqqq: Q abc: Checked: esmith 11/21/97 13:53:55 Ownerfirst: **DENNIS** Ownerlast: **MCMAHON** Owneraddr: 3359 251ST ST. DE WITT Ownercity: Ownerst: IΑ 52742 3196599993 Ownerzip: Ownerphone: NWNWNE24 81 5E County: 23 Legal:

Depth: Dpth rel: U

Sampldte: Permit: Not Reported 20-OCT-97

UNIVERSITY HYGIENIC LABORATORY Lab:

Lab no: G022182 Anal dte: 24-OCT-97

Smplsrce: KITCHEN FAUCET Bact Itb: Not Reported Bact bgb: Not Reported

Bactr: Not Reported Bact: 0 U Bctcolml: 0 Bact s u: No3: No3r: 1 < No3 s u: S Nitrogen:

Drl mthd: UNKNOWN Drlmth rel: Not Reported UNKNOWN Not Reported Case mat: Cs mt rel:

Case diam: 0 Csdia rel: U 0 Year cons: Yr rel: U

Agentfirst: R Agentlast: SUMMERS

Created: kwillet 11/20/97 14:31:19 Updated: esmith 11/21/97 13:53:55

Flag:

Utm x: 722251.19 Utm y: 4632469.81 Site id: IAPR30000038491

NNE 1/2 - 1 Mile Higher

> 314330 Wellid: Mapid: 38491 Id src fld: recordno Datasrc: **TEST**

Well type: Wells registered for testing Location: T. 81 N., R. 5 E., Sec. 24, NE, NW, NW

Clinton Calc. +/- 140m. County: Est loc ac:

Depth: unkn C p date: unkn

Owner name: McMahon, Dennis

Other info: Drilling method: Unknown; Well depth is uncertain

Xcoord: 722243.13 4632687 Ycoord: Hlink: Not Reported Site id: IAPU30000314330 **IA WELLS**

IAPU30000314330

Database

EDR ID Number

Map ID Direction Distance

Elevation Database EDR ID Number

1/2 - 1 Mile Higher

Higher

Well depth:

Mapid: 314575 Wellid: 2084775 Id src fld: wellnmbr Datasrc: PWTS

Well type: Private well tracking system Location: T. 81 N., R. 5E., Sec. 24, NE, SW, SW, NW, SW

 County:
 Clinton
 Est loc ac:
 nom. +/- 25m.

 Depth:
 90
 C p date:
 01/01/1950

Owner name: SEESER, DICK

Other info: Status: Plugged; Well use: Household, Livestock

Xcoord: 722853.065221 Ycoord: 4632127.36264

Hlink: http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2084775&reportName=WellPrintout

Site id: IAPU30000314575

G18
ENE
IA WELLS
IAPW30000012986
1/2 - 1 Mile

 Objectid:
 12986
 Iwellid:
 2088559

 Wellnmbr:
 2084775
 Pmtnmbr:
 Not Reported

 Twp:
 81

 Rge:
 5

 Ew:
 E

 Sec:
 24

 $\label{eq:qqqq:qqq} \mathsf{Qqqqq:} \qquad \qquad \mathsf{NE},\,\mathsf{SW},\,\mathsf{SW},\,\mathsf{NW},\,\mathsf{SW}$

90

Elev: 715

Elev acc: Not Reported

Br depth: 0 Wtr depth: 10 41.8097 Latitude: Longitude: -90.3172 Dte done: 01-JAN-50 Cty num: 23 County: Clinton Not Reported Drlr name: SEESER, DICK Owner name: Cnstr mthd: Unknown Fm rmk: Not Reported Well use: Household, Livestock

Status: Plugged Ht pmp no: 0

Permit: Not Reported Plugging: X

Renovate: Not Reported Test: Not Reported

Xcoord: 722853.065221 Ycoord: 4632127.36264

Horiz acc: Not Reported Has litho: 0
Has prod: 1 Has wq: 0

0 Has constr: Wnumber: 0

Hlink: https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2084775&reportName=WellPrintout

IAPW3000012986 Site id:

H19 **IA WELLS** IAPU30000314622

1/2 - 1 Mile Lower

> Mapid: 314622 Wellid: 24071 Id src fld: recordno Datasrc: **PVTP**

Well type: Permitted private wells Location: T. 81 N., R. 5 E., Sec. 25, NE

County: Est loc ac: Calc. +/- 570m. Clinton 4/19/1999 Depth: unkn C p date: Owner name: Wulf

Primary use: livestock Other info:

722595.56 Xcoord: Ycoord: 4630771.5 Hlink: Not Reported Site id: IAPU30000314622

SE **IA WELLS** IAPU30000314650 1/2 - 1 Mile

314650 Wellid: 14957 Mapid:

Datasrc: Well type: IGS well database Location: T. 81N., R. 5E., Sec. 25, NE, NE, NW

CLINTON Calc. +/- 140 m. County: Est loc ac: 08/02/1963 Depth: 54 C p date:

FOSTER, M. Owner name:

Other info: Bedrock depth: 14; Well type: Private

wnumber

Xcoord: 722697.88

Ycoord: 4630864.31

Hlink: http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=14957

Site id: IAPU30000314650

H21 IA WELLS IAPU30000314627 SE

1/2 - 1 Mile Lower

Lower

Id src fld:

314627 Wellid: 2105308 Mapid: **PWTS** Id src fld: wellnmbr Datasrc:

Well type: Private well tracking system Location: T. 81 N., R. 5E., Sec. 25, NE, SE, NE, NE, NE

County: Clinton Est loc ac: nom. +/- 25m. Depth: 10 C p date: 01/09/1965

Owner name: RIXEN, DIANE

Other info: Status: Active; Well use: Household, Livestock

Xcoord: 722588.291444 Ycoord: 4630751.99078

Hlink: http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2105308&reportName=WellPrintout

GEOU

Site id: IAPU30000314627

H22 SE 1/2 - 1 Mile **IA WELLS** IAPW3000030846

Lower

Objectid: 30846 2117102 Iwellid: Wellnmbr: 2105308 Pmtnmbr: Not Reported

Twp: 81 Rge: 5 Ew: Е Sec: 25

NE, SE, NE, NE, NE Qqqqq:

Elev: 633

Elev acc: Not Reported

Well depth: 10 Br depth: 0 Wtr depth: 0 Latitude: 41.7974 Longitude: -90.3209 Dte done: 09-JAN-65 Cty num: 23 County: Clinton Drlr name: Not Reported RIXEN, DIANE Owner name: Cnstr mthd: Unknown Not Reported Fm rmk: Well use: Household, Livestock

Status: Active Ht pmp no:

Not Reported Plugging: Not Reported Permit:

Not Reported Renovate: Test: Χ

Xcoord: 722588.291444 Ycoord: 4630751.99078

0 Horiz acc: Not Reported Has litho: Has prod: 0 Has wq:

Has constr: 0 Wnumber:

Hlink: https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2105308&reportName=WellPrintout

IAPW3000030846 Site id:

Iwellid:

Pmtnmbr:

IA WELLS

1/2 - 1 Mile Lower

Wellnmbr: 2077523 Twp: 81 Rge: 6 Ew: Ε Sec: 19

Objectid:

SE, SE, NW, SW, SE Qqqqq:

3978

Elev: 697

Elev acc: Not Reported

Well depth: 167 2078757

10787

IAPW3000003978

 Br depth:
 0

 Wtr depth:
 147

 Latitude:
 41.8034

 Longitude:
 -90.3148

 Dte done:
 23-JUL-97

 Cty num:
 23

 County:
 Clinton

Drlr name: Cahoy Well And Pump Service, Inc.

Owner name: MATHEW, PAUL
Cnstr mthd: Rotary Drill
Fm rmk: Not Reported
Well use: Household
Status: Retired
Ht pmp no: 0

Permit: X Plugging: Not Reported

Renovate: Not Reported Test: X

Xcoord: 723074.314161

Ycoord: 4631434.04889

Horiz acc: Not Reported Has litho: 1
Has prod: 1 Has wq: 1

Has constr: 1 Wnumber: 0

Hlink: https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2077523&reportName=WellPrintout

Site id: IAPW3000003978

I24 ESE IAPU30000314700

ESE 1/2 - 1 Mile Lower

Mapid: 314700 Wellid: 2077523 ld src fld: wellnmbr Datasrc: PWTS

Well type: Private well tracking system Location: T. 81 N., R. 6E., Sec. 19, SE, SE, NW, SW, SE

 County:
 Clinton
 Est loc ac:
 nom. +/- 25m.

 Depth:
 167
 C p date:
 07/23/1997

Owner name: MATHEW, PAUL

Other info: Status: Retired; Well use: Household

Xcoord: 723074.314161 Ycoord: 4631434.04889

Hlink: http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2077523&reportName=WellPrintout

Site id: IAPU30000314700

J25 NNW IA WELLS IAPU30000314003

1/2 - 1 Mile Lower

Mapid: 314003 Wellid: 27179 Id src fld: pecordno Datasrc: PVTP

Well type: Permitted private wells Location: T. 81 N., R. 5 E., Sec. 14, SE, SE, SE

 County:
 Clinton
 Est loc ac:
 Calc. +/- 140m.

 Depth:
 180
 C p date:
 3/20/2000

 Owner name:
 Allen

Other info: Primary use: household

 Xcoord:
 721211.75

 Ycoord:
 4632860.5

 Hlink:
 Not Reported

Site id: IAPU30000314003

J26
NNW
IA WELLS IAPR30000070021
1/2 - 1 Mile

Lower

70021 Twp: 81 Recordno: 5 Ns: Ν Rge: 14 E w: Ε Sec: Qqqqq: SE SE SE Q abc: DDD Checked: jswan 07/11/00 10:45:08 Ownerfirst: **WILLIAM** Ownerlast: ALLEN Owneraddr: 3747 230TH ST

 Ownercity:
 DE WITT
 Ownerst:
 IA

 Ownerzip:
 52742
 Ownerphone:
 5222846

County: 23 Legal: SESESE14 81 5E

Depth: 215 Dpth rel: K

Permit: Not Reported Sampldte: 01-MAY-00

Lab: UNIVERSITY HYGIENIC LABORATORY Lab no: G7904

Anal dte: 02-MAY-00 Smplsrce: KITCHEN FAUCET Bact ltb: Not Reported Bact bgb: Not Reported

Bactr: Not Reported Bact: 0 S Bctcolml: 0 Bact s u: No3r: < No3: 1 S 0 No3 s u: Nitrogen:

Drl mthd: DRILLED Drlmth rel: Not Reported Case mat: PLASTIC Cs mt rel: Not Reported

 Case diam:
 8
 Csdia rel:
 E

 Year cons:
 2000
 Yr rel:
 K

Agentfirst: BOB Agentlast: SUMMERS

Created: eirelan 07/06/00 10:13:23 Updated: jswan 07/11/00 10:45:08

Flag: NYNNYYNNNNNNNNNNNNNN

 Utm x:
 721229.75

 Utm y:
 4632646.69

 Site id:
 IAPR30000070021

K27
West IA WELLS IAPU30000313864
1/2 - 1 Mile
Lower

Mapid: 313864 Wellid: 22908 Id src fld: petordno Datasrc: PVTP

Well type: Permitted private wells Location: T. 81 N., R. 5 E., Sec. 23

 County:
 Clinton
 Est loc ac:
 Calc. +/- 1135m.

 Depth:
 185
 C p date:
 8/24/1998

Owner name: Rickertsen

Other info: Primary use: household

 Xcoord:
 720533.25

 Ycoord:
 4631925

 Hlink:
 Not Reported

Site id: IAPU30000313864

J28 NNW **IA WELLS** IAPU30000313994 1/2 - 1 Mile

Lower

70021 313994 Wellid: Mapid: **TEST** Id src fld: Datasrc: recordno

Wells registered for testing T. 81 N., R. 5 E., Sec. 14, SE, SE, SE Well type: Location:

County: Clinton Est loc ac: Calc. +/- 140m. C p date: 2000

Depth: 215

Owner name: Allen, William Drilling method: Drilled; Known well depth Other info:

721206.75 Xcoord: Ycoord: 4632868.5 Not Reported Hlink: IAPU30000313994 Site id:

K29 IA WELLS IAPU30000313869 West 1/2 - 1 Mile Lower

Wellid: 52624 Mapid: 313869 Id src fld: **TEST** recordno Datasrc:

Wells registered for testing Well type: Location: T. 81 N., R. 5 E., Sec. 23

Calc. +/- 1135m. County: Clinton Est loc ac:

Depth: unkn C p date: 1960

Owner name: **Trucking Properties**

Drilling method: Drilled; Well depth is uncertain Other info:

720531.25 Xcoord: Ycoord: 4631930 Hlink: Not Reported IAPU30000313869 Site id:

K30 West **IA WELLS** IAPR30000052624

1/2 - 1 Mile Lower

> Recordno: 52624 Twp: 81 Ns: Ν Rge: 5 E w: Ε Sec: 23

Not Reported Not Reported Qqqqq: Q abc: toehler 02/22/99 14:46:40 Checked: Ownerfirst: Not Reported Ownerlast: TRUCKING PROPERTIES Owneraddr: 579 36TH AVE NE

MINNEAPOLIS Ownercity: Ownerst: IΑ

Ownerzip: 53418 Ownerphone: Not Reported 23 81 5E County: 23 Legal: Depth: 0 Dpth rel:

Permit: Not Reported Sampldte: 30-DEC-98

Lab: UNIVERSITY HYGIENIC LABORATORY

Lab no: G28594

Anal dte: 12-JAN-99 Smplsrce: HOSE BIB/SHOP
Bact ltb: Not Reported Bact bgb: Not Reported
Bactr: Not Reported Bact: 0

 Bactr:
 Not Reported
 Bact:
 0

 Bctcolml:
 0
 Bact s u:
 S

 No3r:
 <</td>
 No3:
 1

 No3 s u:
 S
 Nitrogen:
 0

 Drl mthd:
 DRILLED
 Drlmth rel:
 No

Drl mthd:DRILLEDDrlmth rel:Not ReportedCase mat:STEELCs mt rel:Not ReportedCase diam:7Csdia rel:K

 Case diam:
 7
 Csdia rel:
 K

 Year cons:
 1960
 Yr rel:
 E

Agentfirst: BOB Agentlast: SUMMERS

Created: cpartai 02/15/99 11:41:15 Updated: toehler 02/22/99 14:46:40

Utm x: 720545.25 Utm y: 4631711

Site id: IAPR30000052624

K31

West 1/2 - 1 Mile Lower

 Recordno:
 75607
 Twp:
 81

 N s:
 N
 Rge:
 5

 E w:
 E
 Sec:
 23

 Qqqqq:
 Not Reported
 Q abc:
 Not Reported

 Checked:
 toehler 11/09/00 11:37:21
 Ownerfirst:
 JOHN

Ownerlast: FULLER Owneraddr: 2571 380TH AVE

Ownercity: LOW MOOR Ownerst: IA

 Ownerzip:
 52757
 Ownerphone:
 Not Reported

 County:
 23
 Legal:
 23 81 5E

 Depth:
 85
 Dpth rel:
 K

 Permit:
 Not Reported
 Sampldte:
 27-SEP-00

Lab: UNIVERSITY HYGIENIC LABORATORY

Lab no: G21970

Anal dte: 02-OCT-00 Smplsrce: HYDRANT
Bact ltb: Not Reported Bact bgb: Not Reported

 Bactr:
 Not Reported
 Bact:
 0

 Bctcolml:
 0
 Bact s u:
 S

 No3r:
 <</td>
 No3:
 1

 No3 s u:
 S
 Nitrogen:
 0

Drl mthd: DRILLED Drlmth rel: Not Reported Case mat: STEEL Cs mt rel: Not Reported

 Case diam:
 6
 Csdia rel:
 K

 Year cons:
 1981
 Yr rel:
 K

Agentfirst: BOB Agentlast: SUMMERS

Created: kwillet 11/07/00 12:42:59 Updated: toehler 11/09/00 11:37:21

Utm x: 720545.25 Utm y: 4631711

Site id: IAPR30000075607

IA WELLS

IAPR30000075607

Map ID Direction Distance

Elevation Database EDR ID Number

K32

IA WELLS IAPU30000313848

1/2 - 1 Mile Lower

> Mapid: 313848 Wellid: 75607 Id src fld: **TEST** recordno Datasrc:

Wells registered for testing T. 81 N., R. 5 E., Sec. 23 Well type: Location:

County: Clinton Est loc ac: Calc. +/- 1135m. 1981

Depth: 85 C p date:

Owner name: Fuller, John

Other info: Drilling method: Drilled; Known well depth

720524.25 Xcoord: 4631923 Ycoord: Hlink: Not Reported IAPU30000313848 Site id:

33 SSW 1/2 - 1 Mile Lower

IAPU30000314284 **IA WELLS**

Mapid: 314284 Wellid: 12136 **PVTP** Id src fld: recordno Datasrc:

Permitted private wells T. 81 N., R. 5 E., Sec. 26, NE, SE Well type: Location:

Calc. +/- 285m. County: Clinton Est loc ac: 1/17/1991 Depth: 150 C p date:

Owner name: Unkn

Other info: Primary use: Domestic/household

721186.81 Xcoord: 4630534 Ycoord: Hlink: Not Reported IAPU30000314284 Site id:

NW 1/2 - 1 Mile Lower

313900 Wellid: 2075474 Mapid: Id src fld: wellnmbr Datasrc: **PWTS**

Well type: Private well tracking system Location: T. 81 N., R. 5E., Sec. 23, NE, NW, NE, SE, NE

Clinton nom. +/- 25m. County: Est loc ac: 222 01/01/1955 Depth: C p date:

Owner name: PAASCH, DON

Other info: Status: Active; Well use: Household

Xcoord: 720808.871315 Ycoord: 4632619.52389

Hlink: http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075474&reportName=WellPrintout

Site id: IAPU30000313900 **IA WELLS**

IAPU30000313900

Map ID Direction Distance

Elevation Database EDR ID Number

L35 NW **IA WELLS** IAPW3000000418

1/2 - 1 Mile Lower

> Objectid: 418 Iwellid: 2075729 2075474 Wellnmbr: Not Reported Pmtnmbr:

Twp: 81 Rge: 5 Ew: Ε Sec: 23

Qqqqq: NE, NW, NE, SE, NE

0 Elev:

Elev acc: Not Reported

Well depth: 222 Br depth: 0 Wtr depth: 0 41.8147 Latitude: Longitude: -90.3416 Dte done: 01-JAN-55 Cty num: 23 County: Clinton Drlr name: * Unknown Owner name: PAASCH, DON Cnstr mthd: Rotary Drill Not Reported Fm rmk: Well use: Household

Status: Active Ht pmp no:

Permit: Not Reported Plugging: Not Reported

Not Reported Test: Χ Renovate:

720808.871315 Xcoord: Ycoord: 4632619.52389

Horiz acc: Not Reported Has litho: 0 Has prod: 0 Has wq: 1

Has constr: 0 Wnumber:

Hlink: https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075474&reportName=WellPrintout

Site id: IAPW3000000418

ESE IA WELLS IAUS20000005715 1/2 - 1 Mile

Lower

Maplabelna: Equistar Chemicals Lp-W3134

Legendtype: 39 Publicview: 0

20000316642 Locid: 310384395 Stfacid: Progid: 1929

Facname: Equistar Chemicals Lp

Opstatus: Drilled Pistartdat: 24-APR-06

W3134 Subname:

7987 Subprogid: Subaltidnu: Not Reported

Wellname: Not Reported

Wellstatus: Not Reported

Totaldepth: 3200

Drilldate: 30-DEC-99 Aquifertyp: St. Lawerence, Dresbach, Mt. Simon

Aquiferran:PrimaryCountyname:ClintonFo:6Accuracy:100

Colmthtxt: INTERPOLATION-PHOTO Refpnttxt: CENTER OF FACILITY

Verifytxt: Not Reported Collectby: WKTU

Coldate: 28-DEC-05

Loccomment: First point clicked in WUSE map applet Congress: 1 Sthouse:

 Congress:
 1
 Sthouse:
 026

 Stsenate:
 13
 Huc:
 070801010401

Hyperlink: http://programs.iowadnr.gov/wateruse/

Lat: 41.80083 Lon: -90.31523 Xcoord: 723048 Ycoord: 4631148

Site id: IAUS20000005715

M37
ESE IA WELLS IAPU30000314729

1/2 - 1 Mile Lower

Mapid: 314729 Wellid: W3134 Id src fld: subname Datasrc: WTRU

Well type: Water Use Permit Wells Location: T81N, R6E, Sec. 30, NW, NW, NW

County: Clinton Est loc ac: +/-100
Depth: 3200 C p date: Not Reported

Owner name: Equistar Chemicals Lp

Other info: Water Use Permit 1929; Primary use: Manufacturing

Xcoord: 723048 Ycoord: 4631148

Hlink: https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310384395

Site id: IAPU30000314729

38 SSE IA WELLS IAPU30000314569

1/2 - 1 Mile Lower

Mapid: 314569 Wellid: 35888 ld src fld: recordno Datasrc: PLUG

Well type: Registered abandoned wells Location: T. 81 N., R. 5 E., Sec. 25 County: Est loc ac: Calc. +/- 1135m.

Depth: 46 C p date: n.a.

Owner name: Wulf, Lois

Other info: Well plugged: 4/22/1999; Well type: < 18" dia.

 Xcoord:
 722198.25

 Ycoord:
 4630364

 Hlink:
 Not Reported

 Site id:
 IAPU30000314569

N39
East IA WELLS IAPU30000314732

East 1/2 - 1 Mile Lower

Mapid: 314732 Wellid: 28312 Id src fld: recordno Datasrc: **PLUG**

Well type: Registered abandoned wells Location: T. 81 N., R. 6 E., Sec. 19, SW, NW, SE

C p date:

n.a.

County: Clinton Est loc ac: Calc. +/- 140m.

Depth: Acc/Gcc Owner name:

Other info: Well plugged: 4/30/1997; Well type: < 18" dia.

28

Xcoord: 723272.81 Ycoord: 4631713.5 Not Reported Hlink: IAPU30000314732 Site id:

O40 IA WELLS IAPU30000314694 **East**

1/2 - 1 Mile Higher

314694 Wellid: 28311 Mapid: Id src fld: recordno Datasrc: **PLUG**

Well type: Registered abandoned wells Location: T. 81 N., R. 6 E., Sec. 19, SW, NW, NE

County: Clinton Est loc ac: Calc. +/- 140m.

Depth: 14 C p date: n.a.

Owner name: Acc/Gcc

Other info: Well plugged: 4/30/1997; Well type: < 18" dia.

Xcoord: 723266.13 Ycoord: 4631913 Not Reported Hlink: Site id: IAPU30000314694

N41 East 1/2 - 1 Mile Lower

314737 Wellid: 28308 Mapid: recordno **PLUG** Id src fld: Datasrc:

T. 81 N., R. 6 E., Sec. 19, SW, NW, SE Well type: Registered abandoned wells Location:

County: Clinton Est loc ac: Calc. +/- 140m.

Depth: 10 C p date: n.a.

Acc/Gcc Owner name:

Other info: Well plugged: 4/30/1997; Well type: < 18" dia.

723282.81 Xcoord: Ycoord: 4631711.5 Hlink: Not Reported Site id: IAPU30000314737

042 **IA WELLS** IAPU30000314704 1/2 - 1 Mile Higher

TC4491545.2s Page A-34

IA WELLS

IAPU30000314737

Mapid: 314704 Wellid: 28310 Id src fld: recordno Datasrc: **PLUG**

Well type: Registered abandoned wells Location: T. 81 N., R. 6 E., Sec. 19, SW, NW, NE

C p date:

n.a.

County: Clinton Est loc ac: Calc. +/- 140m.

Depth: Owner name: Acc/Gcc

Other info: Well plugged: 4/30/1997; Well type: < 18" dia.

24

Xcoord: 723277.13 Ycoord: 4631912 Not Reported Hlink: IAPU30000314704 Site id:

P43 **IA WELLS** IAPW3000010565

1/2 - 1 Mile Lower

> 10565 2083637 Objectid: Iwellid: Wellnmbr: 2081168 Pmtnmbr: Not Reported

Twp: 0 Rge: 0

Ew: Not Reported

Sec: 0

Not Reported Qqqqq:

Elev: 679

Elev acc: Not Reported

Well depth: 100 Br depth: 0 Wtr depth: 0 Latitude: 41.7982 Longitude: -90.3155 01-JAN-60 Dte done: Cty num: 23 County: Clinton Drlr name: * Unknown DODSON, JEFF Owner name: Cnstr mthd: Rotary Drill Fm rmk: Not Reported Well use: Household

Status: Ht pmp no:

Not Reported Not Reported Permit: Plugging:

Not Reported Renovate: Test: Χ

Xcoord: 723034.201925 Ycoord: 4630854.8294

Active 0

Horiz acc: Not Reported Has litho: 0 Has prod: 0 Has wg: 1

Has constr: 0 Wnumber: 0

https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2081168&reportName=WellPrintout Hlink:

IAPW3000010565 Site id:

P44 1/2 - 1 Mile

IA WELLS IAPU30000314766

Mapid:314766Wellid:2081168Id src fld:wellnmbrDatasrc:PWTS

Well type: Private well tracking system Location: T. 81 N., R. 6E., Sec. 30, NW NW SW

 County:
 Clinton
 Est loc ac:
 nom. +/- 25m.

 Depth:
 100
 C p date:
 01/01/1960

Owner name: FRANCESCON, DAN

Other info: Status: Active; Well use: Household

Xcoord: 723034.201925 Ycoord: 4630854.8294

Hlink: http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2081168&reportName=WellPrintout

Site id: IAPU30000314766

Q45 SE IA WELLS IAPR30000076913

1/2 - 1 Mile Lower

> 76913 Recordno: Twp: 81 Ns: Ν Rge: 5 E w: Е 25 Sec: Qqqqq: NE SE NE Q abc: ADA Checked: tkeck 01/03/01 13:26:44 Ownerfirst: **GARY**

Ownerlast: HARGRAVE Owneraddr: 2030 400TH AVE.

Ownercity: CLINTON Ownerst: IA

 Ownerzip:
 52732
 Ownerphone:
 3195222239

 County:
 23
 Legal:
 NESENE25 81 5E

Depth: 150 Dpth rel: K

Permit: Not Reported Sampldte: 30-OCT-00

Lab: UNIVERSITY HYGIENIC LABORATORY

Lab no: G24254

Anal dte: 02-NOV-00 Smplsrce: KITCHEN FAUCET Bact ltb: Not Reported Bact bgb: Not Reported

 Bactr:
 Not Reported
 Bact:
 0

 Bctcolml:
 0
 Bact s u:
 S

 No3r:
 Not Reported
 No3:
 5

 No3 s u:
 S
 Nitrogen:
 0

Drl mthd: DRILLED Drl mth rel: Not Reported Case mat: STEEL Cs mt rel: Not Reported

 Case diam:
 6
 Csdia rel:
 K

 Year cons:
 0
 Yr rel:
 U

 Agentfirst:
 TODD
 Agentlast:
 VETTER

Created: rodonne 01/03/01 10:26:41 Updated: tkeck 01/03/01 13:26:44

 Utm x:
 722914.25

 Utm y:
 4630462.44

 Site id:
 IAPR30000076913

Q46 SE 1/2 - 1 Mile

IA WELLS IAPU30000314746

Mapid: 314746 Wellid: 76913 Id src fld: recordno Datasrc: **TEST**

Well type: Wells registered for testing Location: T. 81 N., R. 5 E., Sec. 25, NE, SE, NE

unkn

County: Clinton Est loc ac: Calc. +/- 140m.

Depth: 150 C p date:

Owner name: Hargrave, Gary

Other info: Drilling method: Drilled; Known well depth

Xcoord: 722897.25 4630674.5 Ycoord: Not Reported Hlink: IAPU30000314746 Site id:

IA WELLS IAPU30000314719

1/2 - 1 Mile Lower

> 37887 Mapid: 314719 Wellid: Id src fld: wnumber Datasrc: **GEOU**

Well type: IGS well database T. 81N., R. 5E., Sec. 25, NE, SE Location:

County: CLINTON Est loc ac: Calc. +/- 280 m. Depth: 242 C p date: 04/04/1996

SCHUELLER, DOUG Owner name:

Other info: Bedrock depth: 8; Well type: Private

Xcoord: 722799.45 Ycoord: 4630574.29

http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=37887 Hlink:

Site id: IAPU30000314719

R48 NW

1/2 - 1 Mile Lower

> 313728 Wellid: 2082063 Mapid: Id src fld: wellnmbr Datasrc: **PWTS**

Well type: Private well tracking system Location: T. 81 N., R. 5E., Sec. 23, NE, NW, NW, SE, NW

County: Clinton Est loc ac: nom. +/- 25m. Depth: 100 C p date: 01/01/1970

PAASCH, JIM Owner name:

Other info: Status: Active; Well use: Household

720534.748549 Xcoord: Ycoord: 4632611.04318

Hlink: http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2082063&reportName=WellPrintout

Site id: IAPU30000313728

R49 NW **IA WELLS** IAPW3000021469

1/2 - 1 Mile Lower

TC4491545.2s Page A-37

IA WELLS

IAPU30000313728

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

 Objectid:
 21469
 Iwellid:
 2157575

 Wellnmbr:
 2082063
 Pmtnmbr:
 Not Reported

 Twp:
 81

 Rge:
 5

 Ew:
 E

 Sec:
 23

Qqqqq: NE, NW, NW, SE, NW

Elev: 742

Elev acc: Not Reported

Well depth: 100
Br depth: 0
Wtr depth: 0

Latitude: 41.8147 -90.3449 Longitude: 01-JAN-70 Dte done: Cty num: 23 County: Clinton Drlr name: * Unknown PAASCH, JIM Owner name: Unknown Cnstr mthd: Fm rmk: Not Reported

Well use: Household Status: Active Ht pmp no: 0

Permit: Not Reported Plugging: Not Reported

Renovate: Not Reported Test: X

Xcoord: 720534.748549 Ycoord: 4632611.04318

Horiz acc: Not Reported Has litho: 0 Has prod: 0 Has wq: 1

Has constr: 0 Wnumber: 0

Hlink: https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2082063&reportName=WellPrintout.pdf.

Site id: IAPW30000021469

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: IA Radon

Radon Test Results

Zipcode	Num Tests	Minimum	Maximum	Average
				
52732	129	0.3	24.6	5.4

Federal EPA Radon Zone for CLINTON County: 1

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 52732

Number of sites tested: 11

% <4 pCi/L Area Average Activity % 4-20 pCi/L % >20 pCi/L Living Area - 1st Floor Not Reported Not Reported Not Reported Not Reported Living Area - 2nd Floor Not Reported Not Reported Not Reported Not Reported 0%

4.964 pCi/L Basement 36% 64%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5 Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Iowa

Source: Department of Natural Resources

Telephone: 319-335-1575

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

All Known Water Wells in the State of Iowa Source: Department of Natural Resources

Telephone: 319-335-1353

Well types included are agricultural drainage, permitted private, public, registered abandoned, SDWIS public, water use permit sites, wells registered for testing.

Permitted Private Wells

Source: Department of Natural Resources

Telephone: 319-335-1353

This is a point coverage for private wells for which permits have been issued since 1987. Most permits were recorded in counties which are in the state drinking water program.

Private Well Tracking System Wells

Source: Department of Natural Resources

Telephone: 319-335-1353

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Natural Resources

Oil and gas well locations.

RADON

State Database: IA Radon

Source: Department of Public Health

Telephone: 515-281-4340 Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

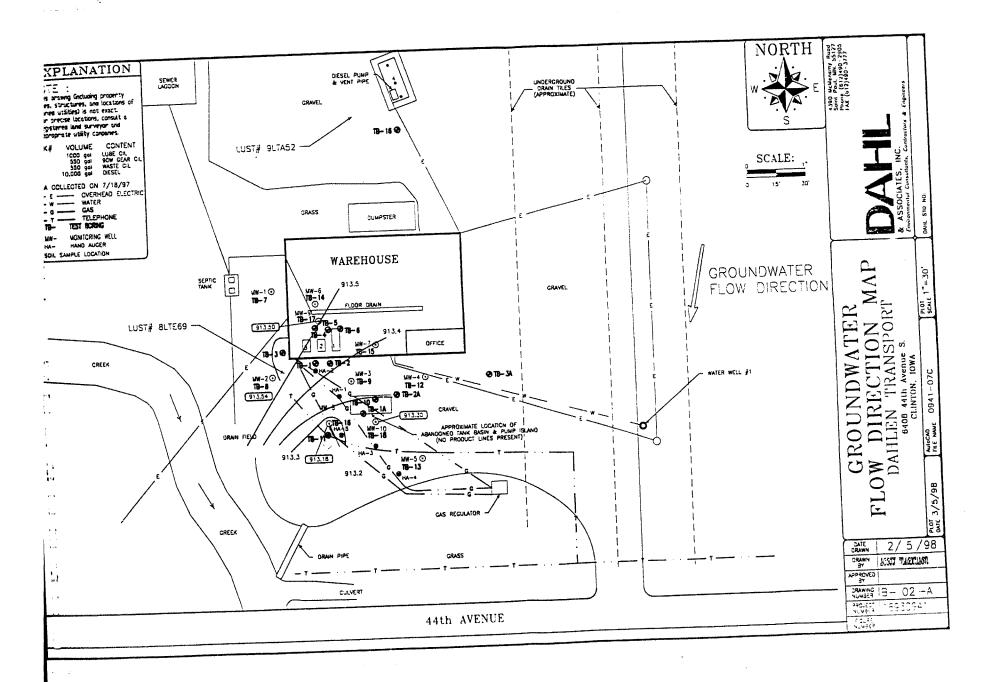
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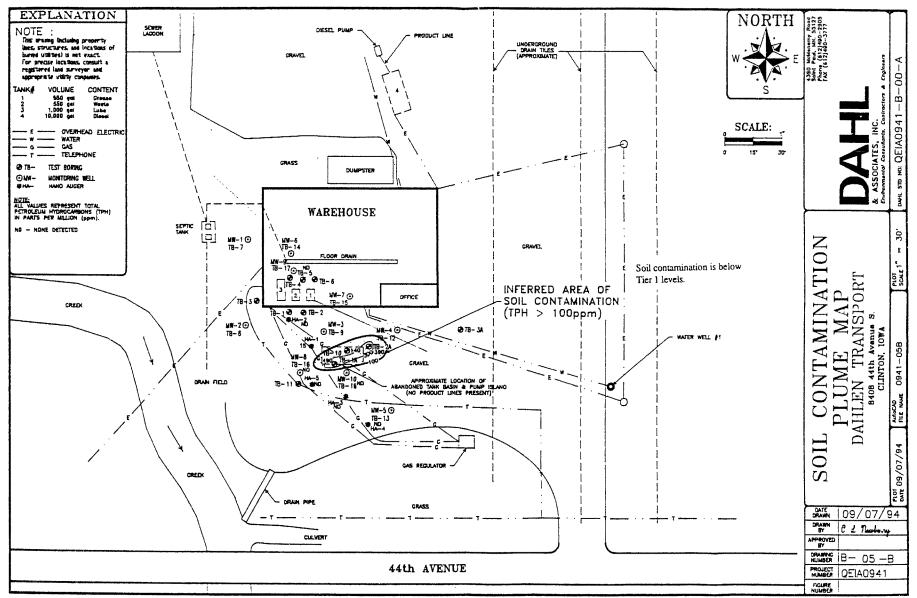
	Appendix F
Regulator	y Agency Information

HAZARDOUS WASTE

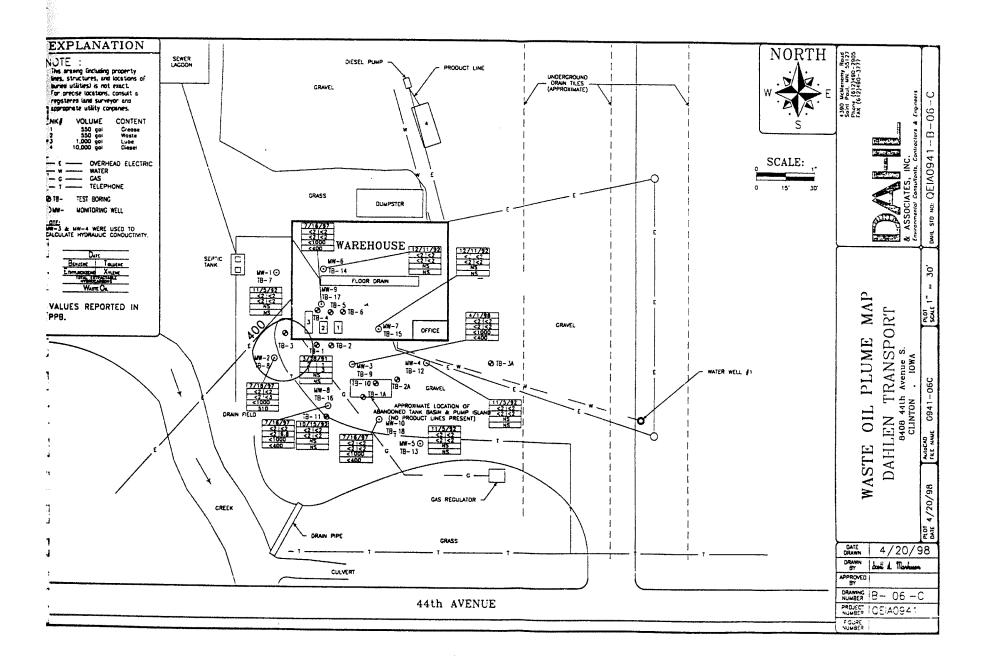
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FACILIT	Y#: \$ [T E	<u>=69</u>	
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DATE:	199/	1- 190	70	





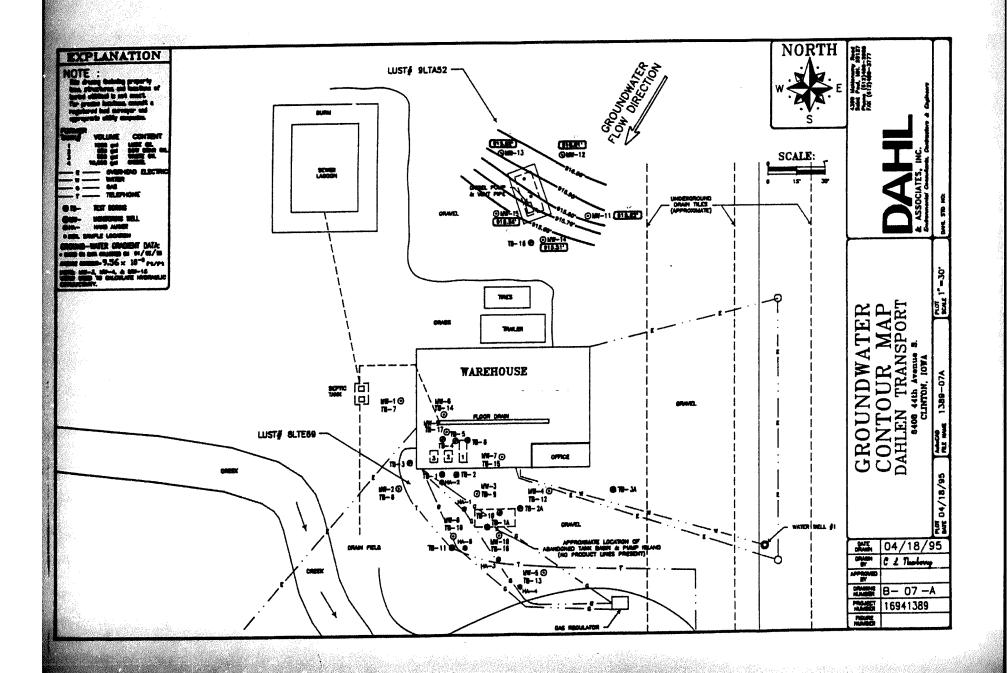
1 1

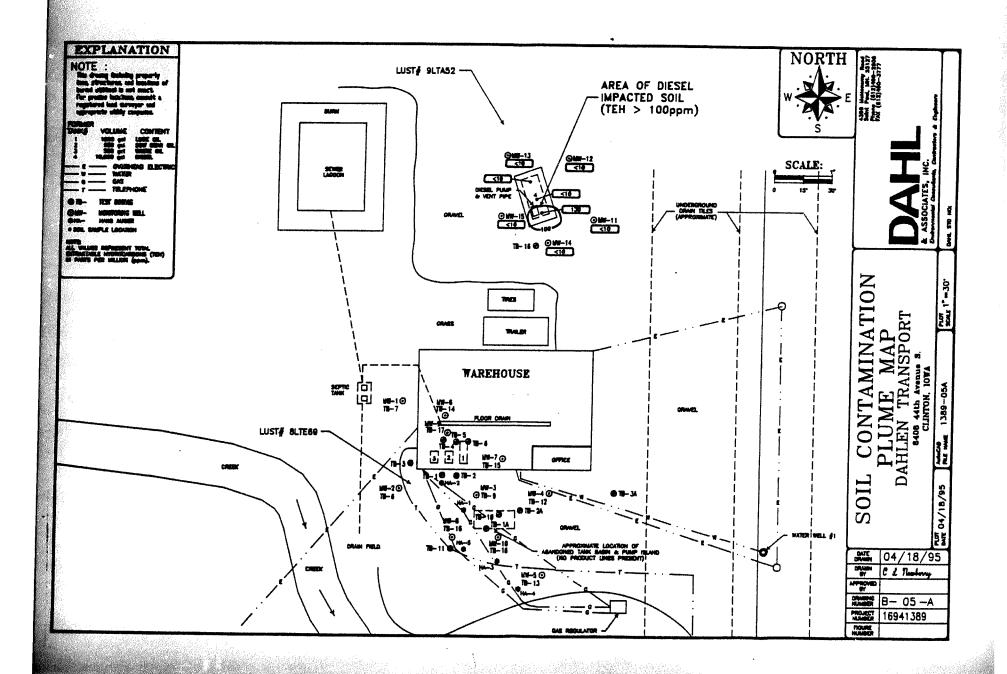


LUST

UMBER: 9LT A 52

DATE: 1996 - 1994





Appendix G Environmental Professional Qualifications

Education

 Associate of Applied Science, Architectural Engineering, Southeas Community College-Milford, 2004

Certifications and Specialized Training

- 40-Hour OSHA Safety Training, September 2004
- 8-Hour OSHA Refresher Course, January 2013
- State of Nebraska Water Well Monitoring Technician

Olsson Professional Experience

▶ 2004 to Procent

Total Professional Experience

2004 to Present



Ryan Doty

Senior Technician

Experience Summary

As a member of Olsson Associates' environmental sciences team, Ryan has gained valuable knowledge through his work with environmental projects. Ryan's experience includes soil and ground water sampling related to risk-based corrective action (RBCA) investigations, landfill monitoring, and Phase II Environmental Site Assessments (ESAs). Ryan is familiar with sampling using bailers, Waterra inertia sampling methods, peristaltic pumps, and hydra-sleeve samplers.

Ryan also conducts routine operations and maintenance at several contaminant remediation sites. He is familiar with many different remedial systems, including soil vapor extraction, air sparging, and dual-phase vacuum extraction systems. In dealing with these different systems, Ryan has in-depth knowledge in operation and maintenance of vacuum pumps, blowers, compressors, air-water separators, oil-water separators, activated carbon treatment units, and associated switches and control devices. Ryan is also proficient in troubleshooting systems, including electrical and logic controller troubleshooting.

In addition to field services Ryan is experienced in AutoCAD and GIS applications providing groundwater contour maps, contaminant isoconcentration maps, remediation system construction plans, wetland mitigation design, wetland delineation mapping, and GIS based watershed scale maps displaying hydrogeological conditions.

Hydrogeologic Studies and Assessments

Assisted in data collection, analysis, and mapping for water shed scale surface water and hydrogeology evaluations:

- Wyoming Water Development Commission, GIS Technician for Thunder Basin Watershed Study; Thunder Basin, WY
- Lower Platte North Natural Resource District, GIS Technician for Watershed Study; Lincoln, NE
- Nemaha Natural Resource District, GIS Technician for Watershed Study; Nemaha, NE
- Lewis and Clark Natural Resource District, GIS Technician for Watershed Study; NE

Contaminant Investigation/Remediation

Performed soil and groundwater sampling, routine remediation system monitoring and operations at the following sites:

- Whitehead Oil, Field Technician for Randolph Dual Phase Vacuum Extraction Remediation System; Lincoln, NE
- Ag Valley Cooperative, Field Technician for Soil Vapor Extraction Remediation System; Genoa, NE
- Brown and Caldwell, Field Technician for Nebraska Ordinance Plant Focused Extraction Pilot Test; Mead, NE
- MUD, Field Technician for Groundwater Sampling; at Platte West Well Field; Saunders County, NE
- Sarpy County Brownfields, Field Technician for Phase II Environmental Site Assessment; Sarpy County, NE

Landfills

Assisted with investigation and monitoring of soil, groundwater and soil gas contamination at active and former landfills:

 City of York, Field Technician for Landfill Groundwater, Landfill Gas, and Soil Gas Monitoring; York, NE



Education

 Bachelor of Science, Environmental Studies with Biology Emphasis, University of Nebraska, 1997

Certifications and Specialized Training

- Certified Hazardous Materials Manager, 2005 to present
- Certified Project Manager
- Certified Wetland Delineator
- ▶ 40-hour HAZWOPER
- 8-hour Site Supervisor
- Occupational Safety Health
 Administration Confined Space Training

Affiliations

- Midwest Plains Chapter Certified Hazardous Materials Managers
- Nebraska Industrial Council on the Environment
- American Council of Engineering Companies

Olsson Professional Experience

▶ 2012 to Presen

Total Professional Experience

▶ 1997 to Present



Brian Osborn, CHMM

Environmental Group Leader

Experience Summary

Brian has more than 18 years in the environmental field, specializing in environmental restoration and compliance, National Environmental Policy Act (NEPA) assessments, hazardous waste investigations and remediation, natural resources planning, and environmental permitting. His experience includes managing and executing complex environmental projects for federal, state, and private clients.

Wetlands/Section 404 Permitting

- City of Omaha, Permitting Project Manager for the Minne Lusa Detention Basin; Omaha, NE
 - This project is part of the Combined Sewer Overflow Program and includes the construction of a new detention facility, which requires an Individual 404 Permit.
- Central Valley Agriculture Cooperative, Senior Scientist for Wetland
 Delineation and Section 404 Permit; Randolph, NE
 Project included acquiring an Individual Permit from the Omaha District
 Corps of Engineers for over 5 acres of wetland impact. Project also included
 creation of a wetland mitigation site and site monitoring.
- Union Pacific Railroad, Permitting Project Manager for Chicago to St. Louis High Speed Rail Improvements; Chicago, IL and St. Louis, MO Managed the delineation of over 100 miles of railroad right of way and multiple Nationwide and Individual Permits for the construction of the High Speed Rail project. Permits were acquired from the Rock Island, St. Louis, and Chicago Districts. Project also included habitat assessment, migratory bird surveys, and construction monitoring.
- Union Pacific Railroad, Permitting Project Manager for Chap to Grimsby Railroad Improvement Project
 Managed the delineation of several miles of railroad right of way and obtained an Individual Permit for the construction of a new railroad double track. Permit was acquired from the St. Louis District.
- Union Pacific Railroad, Permitting Project Manager for the Salem Yard Improvement Project; Salem, IL
 Managed the delineation of several miles of railroad right of way and obtained a Nationwide Permit for the addition of track to an existing
- Union Pacific Railroad, Permitting Project Manager for the Troy Grove Bridge Replacement Project

railroad yard. Permit was acquired from the St. Louis District.

- Managed the delineation of 27 railroad bridges and obtained multiple Nationwide Permits for bridge replacements. Permits were acquired from the Rock Island District.
- Union Pacific Railroad, Permitting Project Manager for the Nogales Bridge Replacement Project
 - Managed the delineation of 29 railroad bridges and obtained multiple Nationwide Permits for bridge replacements. Permits were acquired from the Los Angeles District.
- Nebraska Department of Roads, Project Manager and Senior Scientist for local-aid and state-funded projects; NE Have managed or executed over 30 transportation related projects that
 - have involved wetland delineations and Section 404 permitting for the Nebraska Department of Roads. Permitting activities have occurred for the Omaha District.



OLSSON ASSOCIATES

Experience, Continued

NEPA Assessments

- City of Bellevue, Project scientist for 36th Street widening Environmental Assessment (EA); Bellevue, NE
- Nebraska Army National Guard (NEARNG), Project manager for Integrated Natural Resources Management Plan EA for newly acquired Silver Creek Training Site; Silver Creek, NE
- Nebraska Department of Roads (NDOR), Project scientist for Safe Routes to Schools (SRTS) pedestrian and bicycle trails Categorical Exclusion (CE); Holdrege, NE
- NDOR, Project scientist for 11th Avenue Complete Street Improvements CE; Holdrege, NE
- NDOR, Project Scientist for Missing Link Trail CE; South Sioux City, NE
- NDOR, Project Scientist for 17th Street Complete Street Improvements CE; South Sioux City, NE
- NDOR, Project Scientist for Schuyler Street Improvements Programmatic Complete Street Improvements CE; Schuyler, NE
- City of Omaha, Project Scientist for 114th Street from Pacific Street to Burke Boulevard Complete Street Improvements CE; Omaha, NE
- *City of Fargo, Project Manager for Federal Emergency Management Agency (FEMA) funded Southside Flood Control Environmental Impact Statement (EIS); Fargo, ND
- *NDOR, Project Scientist for EIS associated with Highway 35 Improvements; Norfolk to Dakota City, NE
- *City of Sioux Falls, Project Scientist for EA associated with Solberg Avenue Improvements; Sioux Falls, SD
- *City of Sioux Falls, Project Scientist for EA associated with I-29/I-229 Interchange Improvements; Sioux Falls, SD
- *City of Sioux Falls, Project Scientist for EA associated with I-90/Timberline Avenue; Sioux Falls, SD
- *City of Sioux Falls, Project Scientist for EA associated with I-90/I-229 Interchange; Sioux Falls, SD
- *NDOR, Project Scientist for EA associated with Construction of Interchange and Bypass from I-80; Kearney, NE
- *City of Fremont, Project Scientist for EA associated with West Fremont Bypass Construction; Fremont, NE
- *FEMA, Project Scientist for Boulder County Vegetation Management EA to reduce risk of wildfire; Boulder County, CO
- *FEMA, Project Manager for State Forest State Park Vegetation Management EA to reduce risk of wildfire; State Forest State Park, CO
- *FEMA, Project Manager for Deer Creek Vegetation Management EA to reduce risk of wildfire; Park County, CO
- *FEMA, Project Manager for Livingston Flood Control Environmental Assessment EA to reduce risk of flooding; Livingston, MT
- *FEMA, Project Manager for Woodland Park Flood Control Environmental Assessment EA to reduce flooding risk; Woodland Park, CO
- *FEMA, Project Manager for Sterling Safe Room EA to Construction Tornado Shelters; Sterling, CO
- *FEMA, Project Manager for Poudre River Flood Control EA to reduce flooding risk; Fort Collins, CO
- *FEMA, Project Scientist for Stone Mountain EA to reduce flooding risk; Missoula, MT
- *FEMA, Project Scientist for Clear Creek Flood Mitigation EA to reduce flooding risk; Cheyenne, WY
- *FEMA, Project Scientist for Crow Creek Flood Mitigation EA to reduce flooding risk; Cheyenne, WY
- *FEMA, Project Scientist for Henderson Basin Flood Mitigation EA to reduce flooding risk; Cheyenne, WY

OLSSON ASSOCIATES

Experience, Continued

- *FEMA, Project Scientist for Custer State Park Vegetation Management EA to reduce risk of wildfire; Custer State Park, SD
- *FEMA, Project Scientist for Emergency Operations Center EA; Pierre, SD
- *FEMA, Project Scientist for EA to Upgrade Aberdeen Stormwater Conveyance System; Aberdeen, SD
- *FEMA, Project Scientist for Oak Grove School EA to Construct Floodwall; Fargo, ND
- *FEMA, Project Manager for Cass County Diversion and Interceptor Ditch South EA; Fargo, ND
- United States Air Force (USAF), Project Manager for Capital Improvement Plan EA; Dyess Air Force Base, TX
- *NEARNG, Project Manager for Mead Training Site EA; Mead, NE
- *NEARNG, Project Scientist for EA Facilities Expansion and Headquarters Building at Lincoln Airport; Lincoln, NE
- *NEARNG, Project Manager for Nebraska Aviation Low-Level Helicopter Training Area; Western NE
- *City of Omaha, Project Manager for 144th Street Improvements EA; Omaha, NE
- *USAF, Project Manager for Zebra Mussel Eradication EA; Offutt Air Force Base, NE

Natural and Cultural Resources

- *Offutt Air Force Base, Task Manager for Zebra Mussel Eradication Using Copper Sulfate at Base Lake; Omaha, NE
- *Offutt Air Force Base, Project Manager for Wetlands Delineation Identification; Omaha, NE
- *Offutt Air Force Base, Project Manager for Integrated Natural Resources Plan; Omaha, NE This project included species surveys, review of biological surveys, and
 - This project included species surveys, review of biological surveys, and identification of goals and objectives.
- *FEMA, Task Manager for Biological Assessments of Threatened and Endangered Species; CA
- *USAF, Task manager for Integrated Natural Resources Management Plan and Integrated Cultural Resources Management Plan; Dyess Air Force Base, TX
- *NEARNG, Project Manager for Cultural Resources Inventory of Potentially Historic Buildings; NE

Emergency Preparedness and Response

- United States Postal Service (USPS), Task Manager for Integrated Emergency Management Planning; ND, SD
- *TransCanada, Assistant Environmental Unit Leader for Spill and Lead Response to TransCanada Pipeline; NE, SD, ND
- *FEMA, Project Manager for EA of On-site Temporary Housing for Hurricane Katrina and Hurricane Rite; Baton Rouge, LA
- *FEMA, Project Manager for Hurricane Floyd Disaster and West Virginia Flooding EA; WV, NC

Environmental Compliance

- *Dyess Air Force Base, Lead Auditor for Natural and Cultural Resources Compliance for Environmental, Safety, and Occupational Health Compliance Audit; Abilene, TX
- *Dyess Air Force Base, Secondary Auditor for Hazardous Waste and Spill Prevention Programs; Abilene, TX
- *Kelloggs, Project Professional for Spill Prevention Control and Countermeasures at Kelloggs Plant; Omaha, NE
- *PCS Phosphates, Quality Control Manager for Facility Storm Water Pollution Prevention Plan; Weeping Water, NE
- *Dyess Air Force Base, Project Scientist for Storm Water Pollution Prevention Plan (SWPPP); Abilene, TX



- *United States Army Corps of Engineers (USACE), Project Scientist for Environmental Management System Implementation at Mainstem Missouri
- *USACE, Auditor for Implementation of Pollution Prevention Opportunities at Detroit Tank Arsenal and Selfridge Army Garrison; Detroit Arsenal, MI
- *Kinder Morgan Energy Partners, Project Scientist for SWPPP, Best Management Practices (BMPs) and Monitoring for Pipeline; Western IA
- *Kawasaki, Project Scientist for RCRA and Heal and Safety Evaluation associated with Environmental Compliance Audit; Lincoln, NE
- *Barksdale Air Force Base, Task Manager for Performance Based
- Investigation of MMRP RI for three former range sites to determine
- UPRR, Senior project scientist for corridor-wide wetland delineations, Section 404 permitting, migratory bird surveys, and permitting compliance
- UPRR, Senior project scientist for corridor-wide wetland delineations and Section 404 Permitting for multiple bridge replacements; Tucson and
- RI/FS for Ten Former Air to Ground Bombing Range Sites; Shreveport, LA
- USACE Fort Worth District, Task Manager for Remedial Investigation of Fort Polk MMRP RI for three former range sites to determine nature and extent